XS348 25

SERVICE MANUAL

Specification;

Output Power(Watts)/CH into 4 ohms	
20Hz~20KHz, 0.5% THD	30/50W
1KHz, 10% THD	45/60W
Output Power/BTL CH into 4 ohms	
1KHz, 0.5% THD	70/110W
1KHz, 10% THD	90/120W
Frequency Response	16Hz~27KHz
Sub Bass EQ Response 60Hz	+6dB
40Hz	0dB
Signal to Noise Ratio(IHF A)	90dB
Input Sensitivity/10K ohms	
High	250m V
Low	1V
Operating Voltage	DC11 V ~ 16 V
Speaker Impedance	4 ohms
Dimension, W	229mm
H	74mm
D	285/328mm
Net Weight	3.5/3.9Kg
Fuses, Main	30A/60A

Note: Design and specifications subject to changes without notice for improvements.

SCP-802
SCP-1002
Car Stereo Amplifier

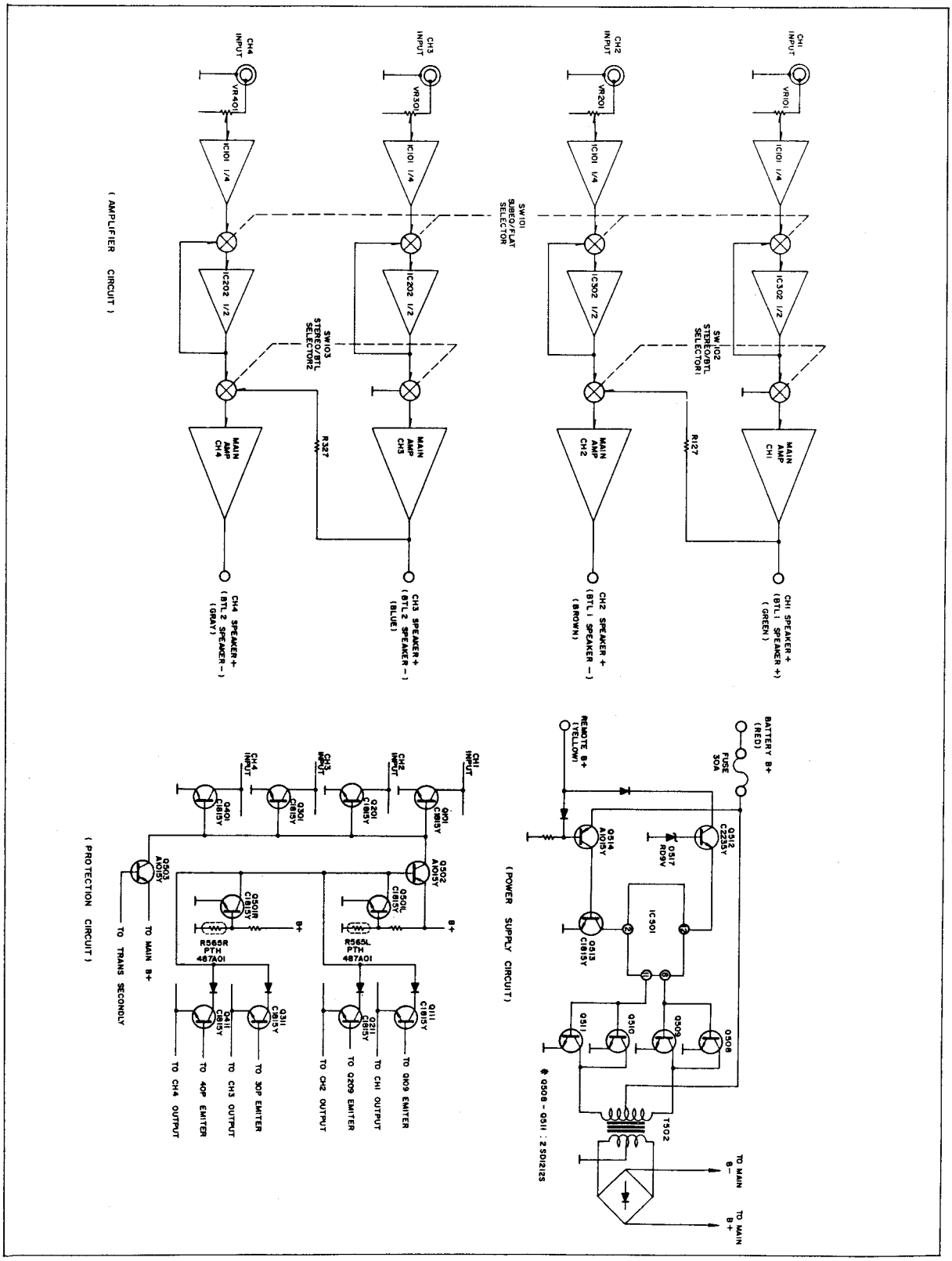
Sherwood

25

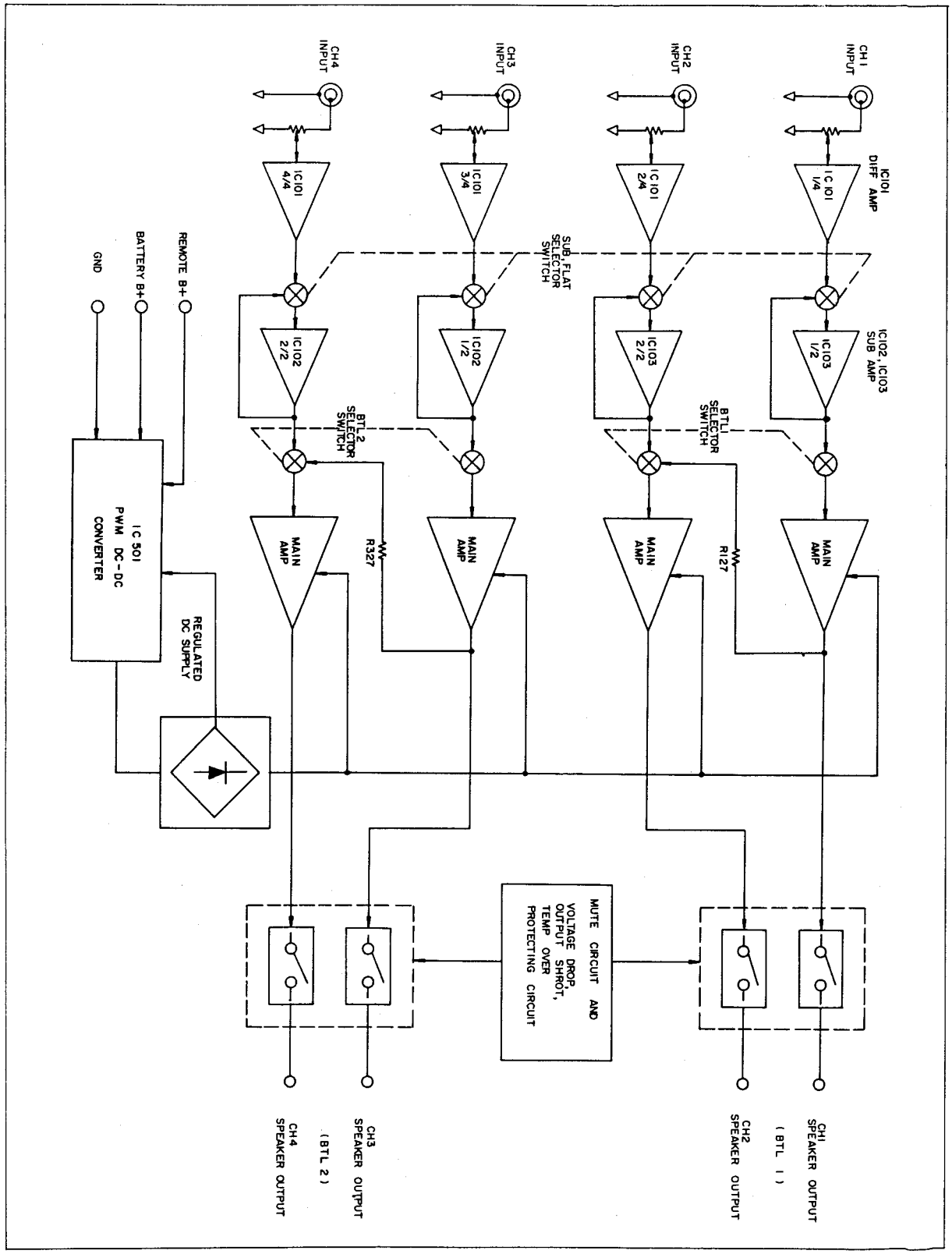
Contents

Specifications.....1
Contents.....3
Block Diagram(Scp-802).....4
Block Diagram(Scp-1002).....5
Parts List(Scp-802/1002).....6
Top View of P.C Boards(Scp-80211002).....10
Parts List & Exploded View of Cabinet & Chassis(Scp-802).....15
Parts List & Exploded View of Cabinet & Chassis(Scp-1002).....17
Point to point Wiring Diagram(Scp-802).....19
Point to point Wiring Diagram(Scp-1002).....21
Schematic Diagram(Scp-802).....23
Schematic Diagram(Scp-1002).....26

Block Diagram (SCP802)



Block Diagram (SCP1002)



Parts List & View of P.C Boards (SCP802)

MAIN P.C BOARD SECTION 4002601900

Ref. No.	Part No.	Description	Position
•CAPACITORS			
C109	3479210971	Electrolytic 1μF 50V SA	
C110	3579561130	Ceramic 560PF 50V	
C111	3679102120	Mylar 0.001μF 100V	
C112~C115	3479222061	Electrolytic 22μF 35V SA	
C116		Not Used	
C117	3579509030	Ceramic 5PF50V	
C118	3479247021	Electrolytic 47μF 10V SA	
C119	3579331130	Ceramic 330PF 50V	
C120~C121	3579101130	Ceramic 100PF 50V	
C122	3479247871	Electrolytic 0.47μF 50V SA	
C123	3679473120	Mylar 0.047μF 100V	
C209	3479210971	Electrolytic 1μF 50V SA	
C210	3579561130	Ceramic 560PF 50V	
C211	3679102120	Mylar 0.001μF 100V	
C212~C215	3479222061	Electrolytic 22μF 35V SA	
C216		Not Used	
C217	3579509030	Ceramic 5PF 50V	
C218	3479247031	Electrolytic 47μF 10V SA	
C219	3579331130	Ceramic 330PF 50V	
C220~C221	3579101130	Ceramic 100PF 50V	
C222	3479247871	Electrolytic 0.47μF 50V SA	
C223	3679473120	Mylar 0.047μF 100V	
C209	3679473120	Mylar 0.047μF 100V	
C309	3479210971	Electrolytic 1μF 50V SA	
C310	3579561130	Ceramic 560PF 50V	
C311	3679102120	My lar 0.001μF 100V	
C312~C315	3479222061	Electrolytic 22μF 35V SA	
C316		Not Used	
C317	3579509030	Ceramic 5PF 50V	
C318	3479247031	Electrolytic 47μF 10V SA	
C319	3579331130	Ceramic 330PF 50V	
C320~C321	3579101130	Ceramic 100PF 50V	
C322	3479247871	Electrolytic 0.47μF 50V SA	
C323	3679473120	Mylar 0.047μF 100V	
C409	3479210971	Electrolytic 1μF 50V SA	
C410	3579561130	Ceramic 560PF 50V	
C411	3679102120	Mylar 0.001μF 100V	
C412~C415	3479222061	Electrolytic 22μF 35V SA	
C416		Not Used	
C417	3579509030	Ceramic 5PF50V	
C418	3479247031	Electrolytic 47μF 10v	
C419	3579331130	Ceramic 330 PF50V	
C420~C421	3579101130	Ceramic 100PF 50V	
C422	3479247871	Electrolytic 0.47μF 50V SA	
C423	3679473120	Mylar 0.047μF 100V	
C507	3479210071	Electrolytic 10μF 50V SA	
C508	3679102120	Mylar 0.001μF 100V	
C509	3479247971	Electrolytic 4.7μF 50V SA	
C510	3479210071	Electrolytic 10μF 50V SA	
C511	3479210971	Electrolytic 1μF 50V SA	
C512~C513	3609224120	Mylar 0.22μF 100V	
C514~C515	3419547214	Electrolytic 4700μF 35V SW	
C516~C517	3409233166	Electrolytic 330μF 35V RM	
C518~C519	3409210236	Electrolytic 1000μF 16V RM	
C520	3479247971	Electrolytic 4.7μF 50V SA	
C521	3579103530	Ceramic 0.01μF 50V	
C522~C523	3479210121	Electrolytic 100μF 10V SA	
C524	3679223120	Mylar 0.022μF 100V	
C525	3579331130	Ceramic 330PF 50V	
C526	3479210971	Electrolytic 1μF 50V SA	
C527	3679102120	Mylar 0.001μF 100V	
C528~C529	3479210971	Electrolytic 10μF 50V SA	
C530~C531	3579104530	Ceramic 0.1μF 50V	
•COILS			
L101	2648601550	Inductor 1.42μH	2A
L201	2648601550	Inductor 1.42μH	1A
L301	2648601550	Inductor 1.42μH	2B
L401	2648601550	Inductor 1.42μH	1B
L501~L502	2648601560	Inductor 56μH	
•DIODES			
D101	2058599111	Zener DZ18BM 18V/500mW	2A
D102~D106	2058322101	Switching IN4148 60V/500mW	2A
D202~D206	2058322101	Switching IN4148 60V/500mW	1A
D301	2058599111	Zener DZ18BM 18V/500mW	2B
D302~D306	2058322101	Switching IN4148 60V/500mW	2B
D402~D406	2058322101	Switching IN4148 60V/500mW	1B

Ref. No.	Part No.	Description	Position
D504L/R	2058599104	Zener DZ5.6BM 5.6V/500mW	1A,1B
D505	2058599102	Zener DZ11BM 11V/500mW	1A
D506~D508	2058322101	Switching IN4148 60V/500mW	1A,3A
D509	2058116103	Rectifier CTU-22S SANKEN	3A
D510	2058116104	Rectifier CTU-22R SANKEN	3B
D511	2058100105	Rectifier IN5402	3A
D512	2058322101	Switching IN148 60V/500mW	3A
D513~D516	2058106100	Rectifier IN4002 200V/1A	4A,4B
D517	2058599107	Zener DZ9.1BM 9.1V/500mW	4B
D518	2058106100	Rectifier IN4002 200V/1A	4B
D519	2058322101	Switching IN4148 60V/500mW	4B
D520~D521	2058106100	Rectifier IN4002 200V/1A	3B
•ICS			
IC501	2138013118	μPC-494C NEC	
•RESISTORS			
R115	3069472270	Carbon 4.7K ohm ¼WJ	
R116	3069104270	Carbon 100K ohm ¼WJ	
R117	3069152270	Carbon 1.5K ohm ¼WJ	
R118	3069183270	Carbon 18K ohm ¼WJ	
R119	3069561270	Carbon 560K ohm¼WJ	
R120	3069152270	Carbon 1.5K ohm ¼WJ	
R121	3069821270	Carbon 820 ohm ¼WJ	
R122	3069272270	Carbon 2.7K ohm ¼WJ	
R123	3069153270	Carbon 15K ohm ¼WJ	
R124	3069121270	Carbon 120 ohm ¼WJ	
R125	3069473270	Carbon 47K ohm ¼WJ	
R126	3069121270	Carbon 120 ohm ¼WJ	
R127	3069473270	Carbon 47K ohm ¼WJ	
R128	3069151270	Carbon 150 ohm ¼WJ	
R129	3069222270	Carbon 2.2K ohm ¼WJ	
R130	3069102270	Carbon 1K ohm ¼WJ	
R131~R132	3069151270	Carbon 150 ohm ¼WJ	
R133	3069331270	Carbon 330 ohm ¼WJ	
R134	3059278686	W.W. ERF-3GEKR27N	
R135	3069222270	Carbon 2.2K ohm ¼WJ	
R136~R137	3069100370	M.O. 10 ohm ½WJ	
R138	3069153270	Carbon 15K ohm ¼WJ	
R215	3069472270	Carbon 4.7K ohm ¼WJ	
R216	3069104270	Carbon 100K ohm ¼WJ	
R217	3069152270	Carbon 1.5K ohm ¼WJ	
R218	3069183270	Carbon 18K ohm ¼WJ	
R219	3069561270	Carbon 560 ohm ¼J	
R220	3069152270	Carbon 1.5K ohm ¼J	
R221	3069821270	Carbon 820 ohm ¼WJ	
R222	3069272270	Carbon 2.7K ohm ¼WJ	
R223	3069153270	Carbon 15K ohm ¼WJ	
R224	3069121270	Carbon 120 ohm ¼WJ	
R224	3069473270	Carbon 47K ohm ¼WJ	
R226	3069121270	Carbon 120 ohm ¼WJ	
R227		Not Used	
R228	3069151270	Carbon 150 ohm ¼WJ	
R229	3069222270	Carbon 2.2K ohm ¼WJ	
R230	3069102270	Carbon 1K ohm ¼WJ	
R231~R232	3069151270	Carbon 150 ohm ¼WJ	
R233	3069331270	Carbon 330 ohm ¼WJ	
R234	3059278686	W.W. ERF-3 GEKR27N	
R235	3069222270	Carbon 2.2K ohm ¼WJ	
R236~R237	3069100370	M.O 10 ohm ½WJ	
R238	3069153270	Carbon 15K ohm ¼WJ	
R315	3069472270	Carbon 4.7K ohm ¼WJ	
R316	3069104270	Carbon 100K ohm ¼WJ	
R317	3069152270	Carbon 1.5K ohm ¼WJ	
R318	3069183270	Carbon 18K ohm ¼WJ	
R319	3069561270	Carbon 560 ohm ¼WJ	
R320	3069152270	Carbon 1.5K ohm ¼WJ	
R321	3069821270	Carbon 820 ohm ¼WJ	
R322	3069272270	Carbon 2.7K ohm ¼WJ	
R323	3069153270	Carbon 15K ohm ¼WJ	
R324	3069121270	Carbon 120 ohm ¼WJ	
R325	3069473270	Carbon 47K ohm ¼WJ	
R326	3069121270	Carbon 120 ohm ¼WJ	
R327	3069473270	Carbon 47K ohm ¼WJ	
R328	3069151270	Carbon 150 ohm ¼WJ	
R329	3069222270	Carbon 2.2K ohm ¼WJ	
R330	3069102270	Carbon 1K ohm ¼WJ	
R331~R332	3069151270	Carbon 150 ohm ¼WJ	
R333	3069331270	Carbon 330 ohm ¼WJ	
R334	3059278686	W.W ERF-3GEKR 27N	
R335	3069222270	Carbon 2.2K ohm ¼WJ	

Ref.No.	Part No.	Description	Position
R336~R337	3069100370	M.O 10 ohm ½WJ	
R338	3069153270	Carbon 15K ohm ¼WJ	
R415	3069472270	Carbon 4.7K ohm ¼WJ	
R416	3069104270	Carbon 100K ohm ¼WJ	
R417	3069152270	Carbon 1.5K ohm ¼WJ	
R418	3069183270	Carbon 18K ohm ¼WJ	
R419	3069561270	Carbon 560 ohm ¼WJ.	
R420	3069152270	Carbon 1.5 ohm ¼WJ	
R421	3069821270	Carbon 820 ohm ¼WJ	
R422	3069272270	Carbon 2.7K ohm ¼WJ	
R423	3069153270	Carbon 15K ohm ¼WJ	
R424	3069121270	Carbon 120 ohm ¼WJ	
R425	3069473270	Carbon 47K ohm ¼WJ	
R426	3069121270	Carbon 120 ohm ¼WJ	
R427		Not Used	
R428	3069151270	Carbon 150 ohm ¼WJ	
R429	3069222270	Carbon 2.2K ohm ¼WJ	
R430	3069102270	Carbon 1K ohm ¼WJ	
R431~R432	3069151270	Carbon 150 ohm ¼WJ	
R433	3069331270	Carbon 330 ohm ¼WJ	
R434	3059278686	W.W. ERF-3GEKR 27N	
R435	3069222270	Carbon 2.2K ohm ¼WJ	
R436~R437	3069100370	M.O. 10 ohm ½WJ	
R438	3069153270	Carbon 15K ohm ¼WJ	
R508~R511	3069472270	Carbon 4.7K ohm ¼WJ	
R512~R513	3069104270	Carbon 100K ohm ¼WJ	
R514L/R	3069103270	Carbon 10K ohm ¼WJ	
R515L/R	3069223270	Carbon 22K ohm ¼WJ	
R516L/R	3069102270	Carbon 1K ohm ¼WJ	
R517L/R	3069223270	Carbon 22K ohm ¼WJ	
R518	3069681270	Carbon 680 ohm ¼WJ	
R519	3069223270	Carbon 22K ohm ¼WJ	
R520	3069102270	Carbon 1K ohm ¼WJ	
R521	3069104270	Carbon 100K ohm ¼WJ	
R522	3069103270	Carbon 10K ohm ¼WJ	
R523	3069470270	Carbon 47K ohm ¼WJ	
R524	3069103270	Carbon 10K ohm ¼WJ	
R525	3069471270	Carbon 470 ohm ¼WJ	
R526	3069101270	Carbon 100 ohm ¼WJ	
R527	3069272270	Carbon 2.7K ohm ¼WJ	
R528	3069153270	Carbon 15K ohm ¼WJ	
R529	3069222270	Carbon 2.2K ohm ¼WJ	
R530	3069123270	Carbon 12K ohm ¼WJ	
R531	3069332270	Carbon 3.3K ohm ¼WJ	
R532	3069223270	Carbon 22K ohm ¼WJ	
R533	3069562270	Carbon 5.6K ohm ¼WJ	
R534	3069393270	Carbon 39K ohm ¼WJ	
R535	3069101270	Carbon 100 ohm ¼WJ	
R536	3069183270	Carbon 18K ohm ¼WJ	
R537	3069682270	Carbon 6.8K ohm ¼WJ	
R538	3069473270	Carbon 47K ohm ¼WJ	
R539~R540	3069103270	Carbon 10K ohm ¼WJ	
R541	3069682270	Carbon 6.8K ohm ¼WJ	
R542	3069272270	Carbon 2.7K ohm ¼WJ	
R543	3069103270	Carbon 10K ohm ¼WJ	
R544	3069683270	Carbon 68K ohm ¼WJ	
R545	3069100270	Carbon 10 ohm ¼WJJ	
R546	3069151270	Carbon 150 ohm ¼WJ	
R547	3069470270	Carbon 47 ohm ¼WJ	
R548~R549	3069103270	Carbon 10K ohm ¼WJ	
R550~R551	3069682270	Carbon 6.8K ohm ¼WJ	
R552~R553	3069222270	Carbon 2.2K ohm ¼WJ	
R554	3069330270	Carbon 33 ohm ¼WJ	
R555	3069271270	Carbon 270 ohm ¼WJ	
R556	3069330270	Carbon 33 ohm ¼WJ	
R557	3069271270	Carbon 270 ohm ¼WJ	
R558~R559	3069109270	Carbon 1 ohm ¼WJ	
R560	3069101270	Carbon 100 ohm ¼WJ	
R561~R562	3069109270	Carbon 1 ohm ¼WJ	
R563~R565	3069101270	Carbon 100 ohm ¼WJ	
R566L/R	3069103270	Carbon 10K ohm ¼WJ	
•TRANSISTORS			
Q101	2208606104	KTC 1815Y Silcon NPN	2A
Q102	2008015700	2SA 798G Silcon PNP	2A
Q103	2208606104	KTC 1815Y Silcon NPN	2A
Q104	2008206102	2SA 949Y Silcon PNP	2A
Q105	2008606107	2SC2229Y Silcon NPN	2A
Q106	2208606104	KTC 1815Y Silcon NPN	2A
Q107	2028406120	2SC2235Y Silcon NPN	2A
Q108	2028106107	2SA965Y Silcon PNP	2A

Ref.No.	Part No.	Description	Position
Q109	2028416108	2SC 3853 Silcon NPN	2A
Q110	2028116105	2SA 1489 Silcon PNP	2A
Q111	2208606104	KTC 1815Y Silcon NPN	2A
Q201	2208606104	KTC 1815Y Silcon NPN	1A
Q202	2008015700	2SA 798G Silcon PNP	1A
Q203	2208606104	KTC1815Y Silcon NPN	1A
Q204	2008206102	2SA949Y Silcon PNP	1A
Q205	2008606107	2SC2229Y Silcon NPN	1A
Q206	2208606104	KTC1815Y Silcon NPN	1A
Q207	2028406120	2SC2235Y Silcon NPN	1A
Q208	2028106107	2SA965Y Silcon PNP	1A
Q209	2028416108	2SC 3858 Silcon NPN	1A
Q210	2028116104	2SA1489 Silcon PNP	1A
Q211	2208606104	KTC1815Y Silcon NPN	1A
Q301	2208606104	KTC 1815Y Silcon NPN	2B
Q302	2008015700	2SA798G Silcon PNP	2B
Q303	2208606104	KTC1815Y Silcon NPN	2B
Q304	2008206102	2SA949Y Silcon PNP	2B
Q305	2008606107	2SC2229Y Silcon NPN	2B
Q306	2208606104	KTC1815Y Silcon NPN	2B
Q307	2028406120	2SC2235Y Silcon NPN	2B
Q308	2028106107	2SC965Y Silcon PNP	2B
Q309	2028416108	2SC3853 Silcon NPN	2B
Q310	2028116105	2SA1489 Silcon PNP	2B
Q311	2208606104	KTC1815Y Silcon NPN	2B
Q401	2208606104	KTC1815Y Silcon NPN	1B
Q402	2008015700	2SA798G Silcon PNP	1B
Q403	2208606104	KTC1815Y Silcon NPN	1B
Q404	2008206102	2SA949Y Silcon PNP	1B
Q405	2008606107	2SC2229Y Silcon NPN	1B
Q406	2208606104	KTC1815Y Silcon NPN	1B
Q407	2028406120	2SC2235Y Silcon NPN	1B
Q408	2028106107	2SA965Y Silcon PNP	1B
Q409	2028416108	2SC3853 Silcon NPN	1B
Q410	2028116105	2SA1489 Silcon PNP	1B
Q411	2208606104	KTC1815Y Silcon NPN	1B
Q501L/R	2208606104	KTC1815Y Silcon NPN	1A,1B
Q502~Q505	2208206105	KTA1015Y Silcon PNP	1A,1B,4A,4B
Q506~Q507	2008617100	2SC600F Silcon NPN	4A,4B
Q508~Q511	2028417112	2SD1212S Silcon NPN	4B,4A,3A,3B
Q512	2028406120	2SC2235Y Silcon NPN	4B
Q513	2208606104	KTC1815Y Silcon NPN	4B
Q514	2208206105	KTA1015Y Silcon PNP	4B
•OTHERS			
T501	2898000040	TRANS Choke	
T502	2888101200	TRANS POWER RING	
WJ501	4119111055	Slat Wire 11P 50m/m	

Parts List & Top View of P.C Boards (SCP1002)

MAIN P.C BOARD 4002602200

Ref No.	Parts No.	Description	Position
• IC			
IC501	2138013118	μPC494C NEC	4A
• TRANSISTORS			
Q101	2008015700	PNP 2SA798G DUAL	2A
Q102	2208606104	NPN KTC1815(Y) KEC	2A
Q103	2008206102	PNP KTA949(Y)KEC	2A
Q104	2208606104	NPN KTC 1815(Y)KEC	2A
Q105	2008606107	NPN KTC2229(Y) KEC	2A
Q106	2028406120	NPN KTC2235(Y) KEC	2A
Q107	2028106107	PNP KTA965(Y) KEC	2A
Q108	2028416107	NPN 2SC3854(O) SANKEN	2A
Q109	2028116104	PNP 2SA1490(O) SANKEN	2A
Q110	2208606104	NPN KTC1815(Y) KEC	2A
Q201	2008015700	PNP 2SA798G DUAL	1A
Q202	2208606104	NPN KTC1815(Y) KEC	1A
Q203	2008206102	PNP KTA949(Y) KEC	1A
D204	2208606104	NPN KTC1815(Y) KEC	1A
Q205	2008606107	NPN KTC2229(Y) KEC	1A
Q206	2028406120	NPN KTC2235(Y) KEC	1A
Q207	2028106107	PNP KTA965(Y) KEC	1A
Q208	2028416107	NPN 2SC3854(O) SANKEN	1A
Q209	2028116104	PND 2SA1490(O) SANKEN	1A
Q210	2208606104	NPN KTC 1815(Y) KEC	1A
Q301	2008015700	PNP 2SA798G DUAL	2B
Q302	2208606104	NPN KTC1815(Y) KEC	2B
Q303	2008206102	PND KTA 949(Y) KEC	2B
Q304	2208606104	NPN KTC1815(Y) KEC	2B
Q305	2008606107	NPN KTC2229(Y) KEC	2B
Q306	2028406120	NPN KTC2235(Y) KEC	2B
Q307	2028106107	PNP KTA965(Y) KEC	2B
Q308	2028416107	NPN 2SC3854(O)SANKEN	2B
Q309	2028116104	PNP 2SA1490(O) SANKEN	2B
Q310	2208606104	NPN KTC 1815(Y) KEC	2B
Q401	2008015700	PNP 2SA798G DUAL	1B
Q402	2208606104	NPN KTC1815(Y) KEC	1B
Q403	2008206102	PNP KTA949(Y)KEC	1B
Q404	2208606104	NPN KEC1815(Y) KEC	1B
Q405	2008606107	NPN KTC2229(Y) KEC	1B
Q406	2028406120	NPN KTC2235(Y) KEC	1B
Q407	2028106107	PNP KTA965(Y) KEC	1B
Q408	2028416107	NPN 2SC3854(O) SANKEN	1B
Q409	2028116104	PNP 2SA1490(O) SANKEN	1B
Q410	2028606104	NPN KTC1815(Y) KEC	1B
Q501L	2208606104	NPN KTC1815(Y) KEC	3A
Q501R	2208606104	NPN KTC1815(Y) KEC	3B
Q502	2208206105	PNP KTA1015(Y) KEC	2B
Q503~Q504	2208606104	NPN KTC1815(Y) KEC	1A/B
Q505	2208206105	PNP KTA1015(Y) KEC	3B
Q506	2208606104	NPN KTC1815(Y) KEC	1B
Q507	2028406120	NPN KTC2235(Y) KEC	1B
Q508	2208206105	PNP KTA1015(Y) KEC	4B
Q509	2208206105	PNP KTA1015(Y) KFC	4A
Q510	2008617100	NPN 2SD600F SANYO	4B
Q511	2008617100	NPN 2SP600F SANYO	4A
Q512~Q513	2028417113	NPN 2SD1213S SANYO	4B
Q514	2028417113	NPN 2SP1213S SANYO	3B
Q515~Q516	2028417113	NPN 2SD1213S SANYO	4A
Q517	2028417113	NPN 2SD1213S SANYO	3A
Q518	2028406120	NPN KTC2235(Y) KEC	4B
Q519	2208606104	NPN KTC1815(Y) KEC	4B
Q520	2208206105	PNP KTA1015(Y) KEC	4B
• DIODES			
D101	2058599112	ZENER 20BM	2A
D102~D106	2058322101	IN4148	2A
D201	2058599112	ZENER 20 BM	1A
D202~D206	2058322101	IN4148	1A
D301	2058599112	ZENER 20 BM	2B
D302~D306	2058322101	IN4148	2B
D401	2058599112	ZENER 20BM	1B
D402~D406	2058322101	IN4148	1B
D504L	2058599104	ZENER 5.6BM	3A
D504R	2058599104	ZENER 5.6BM	2B
D505L	2058322101	IN4148	3A
D505R	2058322101	IN4148	3B
D506	2058599107	ZENER 9.1BM	1B
D507	2058106100	IN4002	2A/B
D508	2058106100	IN4002	1/2A
D509	2058322101	IN4148	3B
D510	2058116103	CTU-22S SANKEN	3A
D511	2058116104	CTU-22R SANKEN	3B
D512	2058100105	IN5402	4A
D513	2058106100	IN4002	4B
D514	2058106100	IN4002	4A
D515	2058106100	IN4002	4A/B
D516	2058106100	IN4002	4A
D517	2058599107	ZENER 9.1BM	4B
D518	2058106100	IN4002	4B
D519	2058322101	IN4148	4B
D520	2058322101	IN4148	3A
D521~D522	2058106100	IN4002	3A
• COILS			
L101	2648601550	INDUCTOR 1.42μH	2A
L201	2648601550	INDUCTOR 1.42μH	1A
L301	2648601550	INDUCTOR 1.42μH	2B
L401	2648601550	INDUCTOR 1.42μH	1B
L501	5528001440	RELAY MRCR323	2A/B
L502	5528001440	RELAY MRCR 323	1A/B
L503	2648601560	INDUCTOR 56μH	3A
L504	2648601560	INDUCTOR 56μH	3B
L505	2898000080	CHOKE COLL	4B
• TRANS			
T501	2888101300	RING 50φ	3/4 A/B
• CAPACITORS			
C109	3479210971	Electrolytic 1μF 50V	
C110~C111	3679102120	Mylar 0.001μF 100V	
C112~C125	3479222061	Electrolytic 22μF 35V	
C116	3479210971	Electrolytic 1μF 50V	
C117	3479247021	Electrolytic 47μF 10V	
C118	3579509030	Ceramic 5PF	
C119	3579101130	Ceramic 100PF	
C120	3579331130	Ceramic 330PF	
C121	3579101130	Ceramic 100PF	
C122	3479247871	Electrolytic 0.47μF 50V	
C123	3679473120	Mylar 0.047μF 100V	
C209	3479210971	Electrolytic 1μF 50V	
C210~C211	3679102120	Mylar 0.001μF 100V	
C212~C215	3479222061	Electrolytic 22μF 35V	
C216	3479210971	Electrolytic 1μF 50V	
C217	3479247021	Electrolytic 47μF 10V	
C218	3579509030	Ceramic 5PF	
C219	3579101130	Ceramic 100PF	
C220	3579331130	Ceramic 330PF	
C221	3579101130	Ceramic 100PF	
C222	3479247871	Electrolytic 0.47μF 50V	
C223	3679473120	Mylar 0.047μF 100V	
C309	3479210971	Electrolytic 1μF 50V	
C310~C311	3679102120	Mylar 0.001μF 100V	
C312~C315	3479222061	Electrolytic 22μF 35V	
C316	3479210971	Electrolytic 1μF 50V	
C317	3479247021	Electrolytic 47μF 10V	
C318	3579509030	Ceramic 5PF	
C319	3579101130	Ceramic 100PF	
C320	3579331130	Ceramic 330PF	
C321	3579101130	Ceramic 100PF	
C322	3479247871	Electrolytic 0.47μF 50V	
C323	3679473120	Mylar 0.047μF 100V	
C409	3479210971	Electrolytic 1μF 50V	
C410~C411	3679102120	Mylar 0.001μF 100V	
C412~C415	3479222061	Electrolytic 22μF 35V	
C416	3479210971	Electrolytic 1μF 50V	
C417	3479247021	Electrolytic 47μF 10V	
C418	3579509030	Ceramic 5PF	
C419	3579101130	Ceramic 100PF	
C420	3579331130	Ceramic 330PF	
C421	3579101130	Ceramic 100PF	
C422	3479247871	Electrolytic 0.47μF 50V	
C423	3679473120	Mylar 0.047μF 100V	
C507	3679102120	Mylar 0.001μF 100V	
C508	3409247131	Electrolytic 470μF 16V	
C509	3479222061	Electrolytic 22μF 35V	
C510	3479210971	Electrolytic 1μF 50V	
C511	3479247031	Electrolytic 47μF 16V	
C512~C513	3609224120	Mylar 0.22μF 100V	
C514~C515	3409233166	Electrolytic RM330μF 35V	
C516~C517	3419568294	Electrolytic 6800μF 40V	

Parts List & Top View of P.C Boards (SCP802/1002)

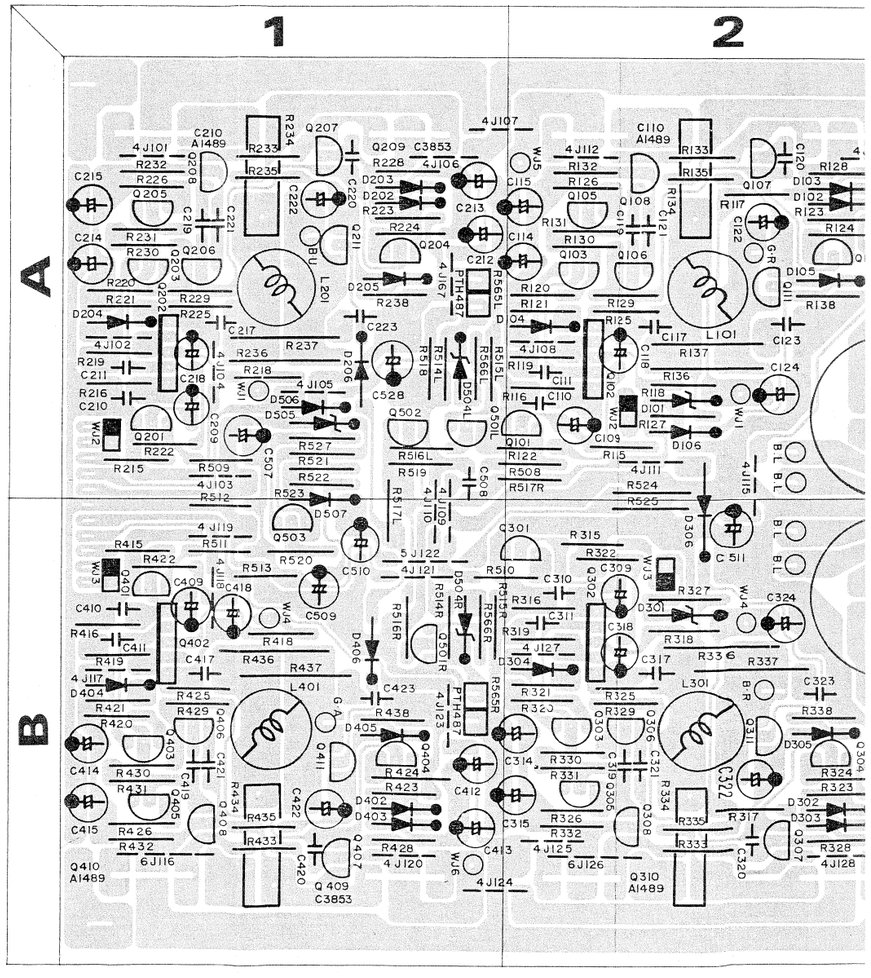
Ref No.	Parts No.	Description	Position
C518~C519	3409210236	Electrolytic RM1000μF 16V	
C520	3479210971	Electrolytic 1μF 50V	
C521	3679102120	Mylar 0.001μF 100V	
C522	3479210971	Electrolytic 1μF 50V	
C523	3579331130	Ceramic 330PF	
C524	3679103120	Mylar 0.01μF 100V	
C525	3579103530	Ceramic 0.01μF	
C526	3479210121	Electrolytic 100μF 10V	
C527	3409222131	Electrolytic 220μF 16V	
C528~C529	3579104530	Ceramic 0.1μF	
•RESISTORS(All reslstors are cabon film ¼WJ type unless otherwise noted)			
R115	3069102270	C.F 1Kohm	
R116	3069104270	C.F 100K ohm	
R117	3069152270	C.F 1.5K ohm	
R118	3069183270	C.F 18K ohm	
R119	3069561270	C.F 560 ohm	
R120	3069152270	C.F 1.5K ohm	
R121	3069821270	C.F 820 nhm	
R122	3069222270	C.F 2.2K ohm	
R123	3069153270	C.F 15K ohm	
R124	3069121270	C.F 120 ohm	
R125	3069473270	C.F 47K ohm	
R126	3069121270	C.F 120 ohm	
R127	3069473270	C.F 47K ohm	
R128	3069151270	C.F 150 ohm	
R129	3069222270	C.F 2.2K ohm	
R130	3069102270	C.F 1Kohm	
R131~R132	3069151270	CF. 150 ohm .F	
R133	3069331270	C.F 330 ohm	
R134	3059278786	0.27 ohm DUAL Cement 5W	
R135	3069222270	C.F 2.2K ohm	
R136~R137	3069100370	M.O 10 ohm½WJ type	
R138	3069153270	C.F 15K ohm	
R215	3069102270	C.F 1K ohm	
R216	3069104270	C.F 100K ohm	
R217	3069152270	C.F 1.5K ohm	
R218	3069182270	C.F 18K ohm	
R219	3069561270	C.F 560 ohm	
R220	3069152270	C.F 1.5K ohm	
R221	3069821270	C.F 820 ohm	
R222	3069222270	C.F 2.2K ohm	
R223	3069153270	C.F 15K ohm	
R224	3069121270	C.F 120 ohm	
R225	3069473270	C.F 47K ohm	
R226	3069121270	C.F 120 ohm	
R227	3069473270	C.F 47K ohm	
R228	3069151270	C.F 150 ogm	
R229	3069222270	C.F 2.2K ohm	
R230	3069102270	C.F 1K ohm	
R231~R232	3069151270	C.F 150 ohm	
R233	3069331270	C.F 330 ohm	
R234	3059278786	0.27 ohm DUAL Cement 5W	
R235	3069222270	C.F 2.2K ohm	
R236~R237	3069100370	M.O 10 ohm½WJ type	
R238	3069153270	C.F 15K ohm	
R315	3069102270	C.F 1K ohm	
R316	3069104270	C.F 100K ohm	
R317	3069152270	C.F 1.5K ohm	
R318	3069183270	C.F 18K ohm	
R319	3069561270	C.F 560 ohm	
R320	3069152270	C.F 1.5K ohm	
R321	3069821270	C.F 820 ohm	
R322	3069222270	C.F 2.2K ohm	
R323	3069153270	C.F 15K ohm	
R324	3069121270	C.F 120 ohm	
R325	3069473270	C.F 47K ohm	
R326	3069121270	C.F 120 ohm	
R327	3069473270	C.F 47K ohm	
R328	3069151270	C.F 150 ohm	
R329	3069222270	C.F 2.2K ohm	
R330	3069102270	C.F 1K ohm	
R331~R332	3069151270	C.F 150K ohm	
R333	3069331270	C.F 330 ohm	
R334	3059278786	0.27 ohm DUAL Cement 5W	
R335	3069222270	C.F 2.2K ohm	
R336~R337	3069100370	M.O 10 ohm ½WJ type	
R338	3069153270	C.F 15K ohm	
R415	3069102270	C.F 1K ohm	
R416	3069104270	C.F 100K ohm	

Ref No.	Parts No.	Description	Position
R417	3069152270	C.F 1.5K ohm	
R418	3069183270	C.F 18K ohm	
R419	3069561270	C.F 560 ohm	
R420	3069151270	C.F 1.5K ohm	
R421	3069821270	C.F 820 ohm	
R422	3069222270	C.F 2.2K ohm	
R423	3069151270	C.F 15K ohm	
R424	3069121270	C.F 120 ohm	
R425	3069473270	C.F 47K ohm	
R426	3069121270	C.F 120 ohm	
R427	3069473270	C.F 47K ohm	
R428	3069151270	C.F 150 ohm	
R429	3069222270	C.F 2.2K ohm	
R430	3069102270	C.F 1K ohm	
R431~R432	3069151270	C.F 150 ohm	
R433	3069331270	C.F 330 ohm	
R434	3059278786	0.27 ohm DUAL Cement 5W	
R435	3069222270	C.F 2.2K ohm	
R436~R437	3069100370	M.O 10 ohm ½WJ type	
R438	3069153270	C.F 15V ohm K	
R508	3069472270	C.F 4.7 ohm K	
R509	3069123270	C.F 12K ohm	
R510	3069102270	C.F 1K ohm	
R511	3069103270	C.F 10K ohm	
R512	3069223270	C.F 22K ohm	
R513	3069153270	C.F 150 ohm	
R514	3067472270	C.F 4.7K ohm	
R515~R518	3069153270	C.F 15K ohm	
R519	3069472270	C.F 4.7K ohm	
R520	3069103270	C.F 10K ohm	
R521	3069102270	C.F 1K ohm	
R522	3069182270	C.F 1.8K ohm	
R523	3069100270	C.F 10 ohm	
R524	3069151270	C.F 150 ohm	
R525	3069101270	C.F 100 ohm	
R526~R527	3069471270	C.F 470 ohm	
R528	3069472270	C.F 4.7K ohm	
R529	3069224270	C.F 220K ohm	
R530	3069103270	C.F 10K ohm	
R531	3069209270	C.F 2 ohm	
R532	3069101270	C.F 100 ohm	
R533	3069209270	C.F 2 ohm	
R534	3069101270	C.F 100 ohm	
R535	3069209270	C.F 2 ohm	
R536	3069101270	C.F 100 ohm	
R537	3069209270	C.F 2 ohm	
R538	3069101270	C.F 100 ohm	
R539	3069209270	C.F 2 ohm	
R540	3069101270	C.F 100 ohm	
R541	3069209270	C.F 2 ohm	
R542	3069101270	C.F 100 ohm	
R543~R544	3069330270	C.F 33 ohm	
R545~R546	3069101270	C.F 100 ohm	
R547~R548	3069222270	C.F 2.2K ohm	
R549~R550	3069682270	C.F 6.8K ohm	
R551~R552	3069103270	C.F 10K ohm	
R553	3069102270	C.F 1K ohm	
R554	3069153270	C.F 15K ohm	
R555	3069302270	C.F 3K ohm	
R556	3069153270	C.F 15K ohm	
R557	3069332270	C.F 3.3K ohm	
R558	3069223270	C.F 22K ohm	
R559	3069562270	C.F 5.6K ohm	
R560	3069393270	C.F 39K ohm	
R561	3069101270	C.F 100 ohm	
R562	3069183270	C.F 18K ohm	
R563	3069104270	C.F 100K ohm	
R564	3069470270	C.F 47 ohm	
R565	3069221270	C.F 220 ohm	
R566	3069100270	C.F 10 ohm	
R567	3069473270	C.F 47K ohm	
R568	3069103270	C.F 10K ohm	
R569	3069682270	C.F 6.8K ohm	
R570	3069272270	C.F 2.7K ohm	
R571~R572	3069103270	C.F 10K ohm	
R573	3069683270	C.F 68K ohm	
R574	2438012100	Posistor PTH487A01	
R575	3069221270	C.F 220 ohm	

FRONT P.C BOARD 4002602000

Ref No.	Part No.	Description
•CAPACITORS		
C101~C102	3479233971	Electrolytic 3.3μF 50V SA
C103~C104	3679223120	MYlar 0.022μF 100V
C105	3479233971	Electrolytic 3.3μF 50V SA
C106	3579471130	Ceramic 470PF 50V
C107	3479233971	Electrolytic 3.3μF 50V SA
C108	3479247021	Electrolytic 4.7μF 10V SA
C201~C202	3479233971	Electrolytic 3.3μF 50V SA
C203~C204	3679223120	Mylar 0.022μF 100V
C205	3479233971	Electrolytic 3.3μF 50V SA
C206	3579471130	Ceramic 470PF 50V
C207	3479233971	Electrolytic 3.3μF 50V SA
C208	3479247021	Electrolytic 47μF 10V SA
C301~C302	3479233971	Electrolytic 3.3μF 50V SA
C303~C304	3679223120	Mylar 0.022μF 100V
C305	3479233971	Electrolytic 3.3μF 50V SA
C306	3579471130	Ceramic 470PF 50V
C307	3479233971	Electrolytic 3.3μF 50V SA
C308	3479247021	Electrolytic 47μF 10V SA
C401~C402	3479233971	Electrolytic 3.3μF 50V SA
C403~C404	3679223120	Mylar 0.022μF 100V
C405	3479233971	Electrolytic 3.3μF 50V SA
C406	3579471130	Ceramic 470PF 50V
C407	3479233971	Electrolytic 3.3μF 50V SA
C408	3479247021	Electrolytic 47μF 10V SA
C501~C506	347924703	Electrolytic 47μF 16V
•DIODES		
D501	2308220109	L.E.D SLR54UR
D502~D503	2058599109	Zener DZ15BM 15V/500mW
•ICS		
IC101	2168000113	LM324 SAM-SUNG
IC102.IC103	2168000114	NJM 4558DD SAM-SUNG
•RESISTORS		
R101~R105	3069103270	Carbon 10K ohm ¼WJ
R106		Not Used
R107	3069823270	Carbon 82K ohm ¼WJ
R108	3069562270	Carbon 5.6K ohm ¼WJ
R109	3069224270	Carbon 220K ohm ¼WJ
R110	3069332270	Carbon 3.3K ohm ¼WJ
R111	3069562270	Carbon 3.3K ohm ¼WJ
R112	3069472270	Carbon 4.7K ohm ¼WJ
R113	3069152270	Carbon 1.5K ohm ¼WJ
R114	3069472270	Carbon 4.7K ohm ¼WJ
R201~R205	3069103270	Carbon 10K ohm ¼WJ
R206		Not Used
R207	3069823270	Carbon 82K ohm ¼WJ
R208	3069562270	Carbon 5.6K ohm ¼WJ
R209	3069224270	Carbon 220K ohm ¼WJ
R210	3069332270	Carbon 3.3K ohm ¼WJ
R211	3069562270	Carbon 5.6K ohm ¼WJ
R212	3069472270	Carbon 4.7K ohm ¼WJ
R213~R214		Not Used
R301~R305	3069103270	Carbon 10K ohm ¼WJ
R306		Not Used
R307	3069823270	Carbon 82K ohm ¼WJ
R308	3069562270	Carbon 5.6K ohm ¼WJ
R309	3069224270	Carbon 220K ohm ¼WJ
R310	3069332270	Carbon 3.3K ohm ¼WJ
R311	3069562270	Carbon 5.6K ohm ¼WJ
R312	3069472270	Carbon 4.7K ohm ¼WJ
R313	3069152270	Carbon 1.5K ohm ¼WJ
R314	3069472270	Carbon 4.7K ohm ¼WJ
R401~R405	3069103270	Carbon 10K ohm ¼WJ
R406		Not Used
R407	3069823270	Carbon 82K ohm ¼WJ
R408	3069562270	Carbon 5.6K ohm ¼WJ
R409	3069224270	Carbon 220K ohm ¼WJ
R410	3069332270	Carbon 3.3K ohm ¼WJ
R411	3069562270	Carbon 5.6K ohm ¼WJ
R412	3069472270	Carbon 4.7K ohm ¼WJ
R413~R414		Not Used
R501	3069102270	Carbon 1K ohm ¼WJ
R502~R505	3069331270	Carbon 330 ohm ¼WJ
R506~R507	3069122270	Carbon 1.2K ohm ¼WJ

Ref No.	Part No.	Description	Position
•SEMI FIXED RESISTORS			
VR101	3248322319	SR19D 22KB	
VR201	3248322319	SR19D 22KB	
VR301	3248322319	SR19D 22KB	
VR401	3248322319	SR19D 22KB	



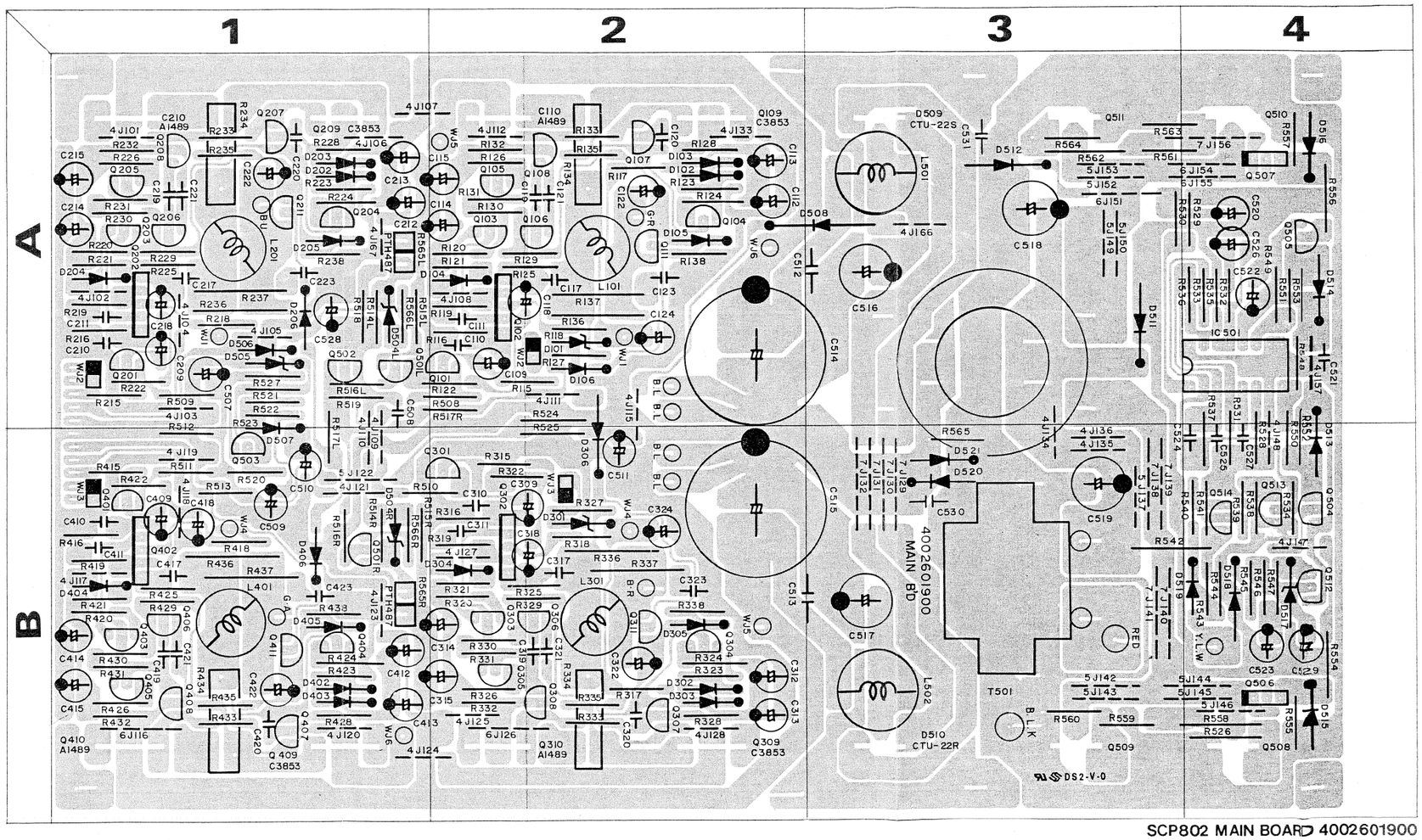
Parts List & Top View of P.C Boards (SCP802/1002)

	Description	Position
	C.F 1.5K ohm	
	C.F 18K ohm	
	C.F 560 ohm	
	C.F 1.5K ohm	
	C.F 820 ohm	
	C.F 2.2K ohm	
	C.F 15K ohm	
	C.F 120 ohm	
	C.F 47K ohm	
	C.F 120 ohm	
	C.F 47K ohm	
	C.F 150 ohm	
	C.F 2.2K ohm	
	C.F 1K ohm	
	C.F 150 ohm	
	C.F 330 ohm	
	0.27 ohm DUAL Cement 5W	
	C.F 2.2K ohm	
	M.O 10 ohm ½WJ type	
	C.F 15V ohm K	
	C.F 4.7 ohm K	
	C.F 12K ohm	
	C.F 1K ohm	
	C.F 10K ohm	
	C.F 22K ohm	
	C.F 150 ohm	
	C.F 4.7K ohm	
	C.F 15K ohm	
	C.F 4.7K ohm	
	C.F 10K ohm	
	C.F 1K ohm	
	C.F 1.8K ohm	
	C.F 10 ohm	
	C.F 150 ohm	
	C.F 100 ohm	
	C.F 470 ohm	
	C.F 4.7K ohm	
	C.F 220K ohm	
	C.F 10K ohm	
	C.F 2 ohm	
	C.F 100 ohm	
	C.F 2 ohm	
	C.F 100 ohm	
	C.F 2 ohm	
	C.F 100 ohm	
	C.F 2 ohm	
	C.F 100 ohm	
	C.F 2 ohm	
	C.F 100 ohm	
	C.F 2 ohm	
	C.F 100 ohm	
	C.F 33 ohm	
	C.F 100 ohm	
	C.F 2.2K ohm	
	C.F 6.8K ohm	
	C.F 10K ohm	
	C.F 1K ohm	
	C.F 15K ohm	
	C.F 3K ohm	
	C.F 15K ohm	
	C.F 3.3K ohm	
	C.F 22K ohm	
	C.F 5.6K ohm	
	C.F 39K ohm	
	C.F 100 ohm	
	C.F 18K ohm	
	C.F 100K ohm	
	C.F 47 ohm	
	C.F 220 ohm	
	C.F 10 ohm	
	C.F 47K ohm	
	C.F 10K ohm	
	C.F 6.8K ohm	
	C.F 2.7K ohm	
	C.F 10K ohm	
	C.F 68K ohm	
	Posistor PTH487A-01	
	C.F 220 ohm	

FRONT P.C BOARD 4002602000

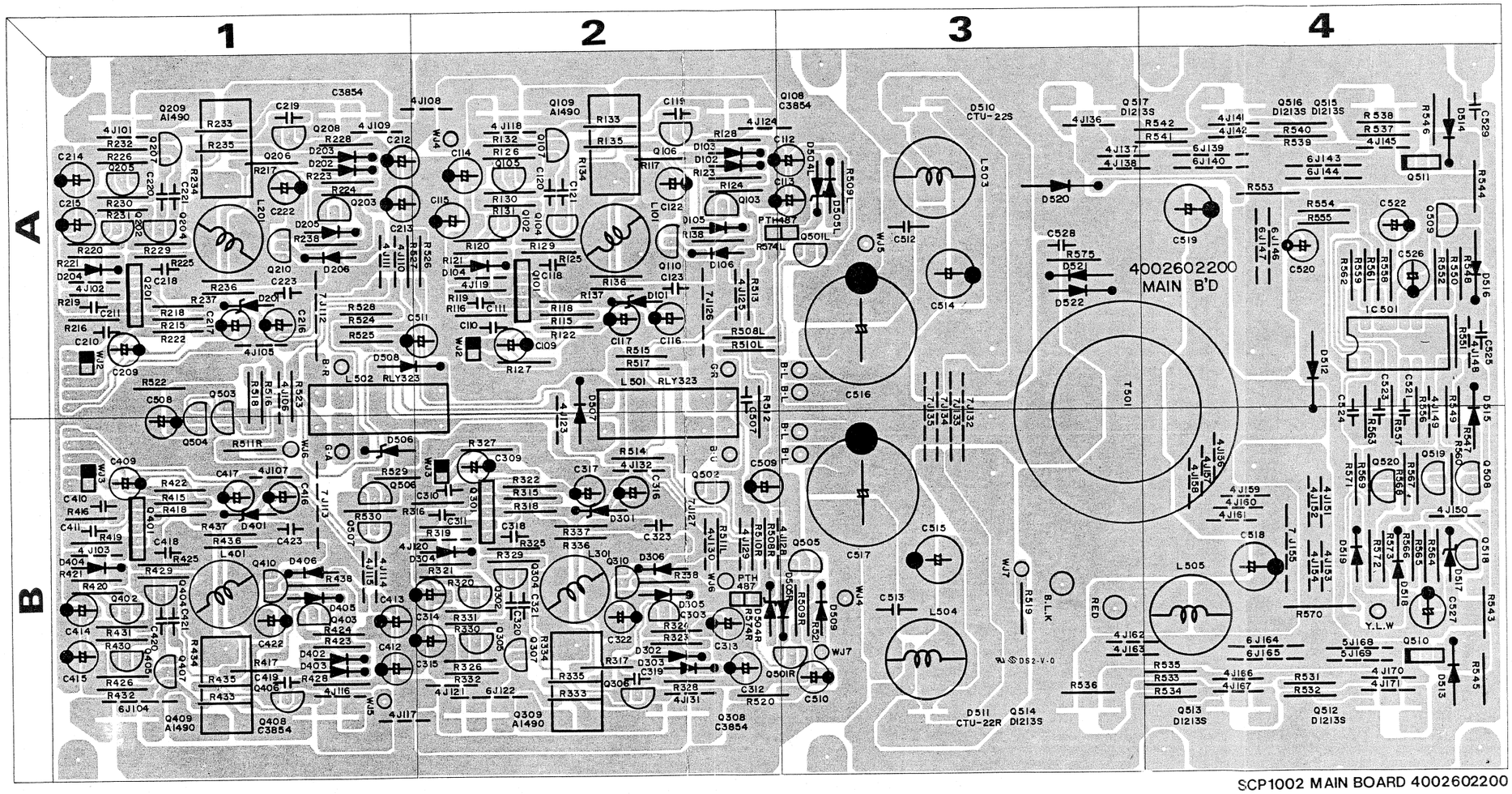
Ref No.	Part No.	Description	
•CAPACITORS			
C101~C102	3479233971	Electrolytic 3.3μF 50V SA	
C103~C104	3679223120	MYlar 0.022μF 100V	
C105	3479233971	Electrolytic 3.3μF 50V SA	
C106	3579471130	Ceramic 470PF 50V	
C107	3479233971	Electrolytic 3.3μF 50V SA	
C108	3479247021	Electrolytic 4.7μF 10V SA	
C201~C202	3479233971	Electrolytic 3.3μF 50V SA	
C203~C204	3679223120	Mylar 0.022μF 100V	
C205	3479233971	Electrolytic 3.3μF 50V SA	
C206	3579471130	Ceramic 470PF 50V	
C207	3479233971	Electrolytic 3.3μF 50V SA	
C208	3479247021	Electrolytic 47μF 10V SA	
C301~C302	3479233971	Electrolytic 3.3μF 50V SA	
C303~C304	3679223120	Mylar 0.022μF 100V	
C305	3479233971	Electrolytic 3.3μF 50V SA	
C306	3579471130	Ceramic 470PF 50V	
C307	3479233971	Electrolytic 3.3μF 50V SA	
C308	3479247021	Electrolytic 47μF 10V SA	
C401~C402	3479233971	Electrolytic 3.3μF 50V SA	
C403~C404	3679223120	Mylar 0.022μF 100V	
C405	3479233971	Electrolytic 3.3μF 50V SA	
C406	3579471130	Ceramic 470PF 50V	
C407	3479233971	Electrolytic 3.3μF 50V SA	
C408	3479247021	Electrolytic 47μF 10V SA	
C501~C506	347924703	Electrolytic 47μF 16V	
•DIODES			
D501	2308220109	L.E.D SLR54UR	
D502~D503	2058599109	Zener DZ15BM 15V/500mW	
•ICS			
IC101	2168000113	LM324 SAM-SUNG	
IC102.IC103	2168000114	NJM 4558DD SAM-SUNG	
•RESISTORS			
R101~R105	3069103270	Carbon 10K ohm ¼WJ	
R106		Not Used	
R107	3069823270	Carbon 82K ohm ¼WJ	
R108	3069562270	Carbon 5.6K ohm ¼WJ	
R109	3069224270	Carbon 220K ohm ¼WJ	
R110	3069332270	Carbon 3.3K ohm ¼WJ	
R111	3069562270	Carbon 3.3K ohm ¼WJ	
R112	3069472270	Carbon 4.7K ohm ¼WJ	
R113	3069152270	Carbon 1.5K ohm ¼WJ	
R114	3069472270	Carbon 4.7K ohm ¼WJ	
R201~R205	3069103270	Carbon 10K ohm ¼WJ	
R206		Not Used	
R207	3069823270	Carbon 82K ohm ¼WJ	
R208	3069562270	Carbon 5.6K ohm ¼WJ	
R209	3069224270	Carbon 220K ohm ¼WJ	
R210	3069332270	Carbon 3.3K ohm ¼WJ	
R211	3069562270	Carbon 5.6K ohm ¼WJ	
R212	3069472270	Carbon 4.7K ohm ¼WJ	
R213~R214		Not Used	
R301~R305	3069103270	Carbon 10K ohm ¼WJ	
R306		Not Used	
R307	3069823270	Carbon 82K ohm ¼WJ	
R308	3069562270	Carbon 5.6K ohm ¼WJ	
R309	3069224270	Carbon 220K ohm ¼WJ	
R310	3069332270	Carbon 3.3K ohm ¼WJ	
R311	3069562270	Carbon 5.6K ohm ¼WJ	
R312	3069472270	Carbon 4.7K ohm ¼WJ	
R313	3069152270	Carbon 1.5K ohm ¼WJ	
R314	3069472270	Carbon 4.7K ohm ¼WJ	
R401~R405	3069103270	Carbon 10K ohm ¼WJ	
R406		Not Used	
R407	3069823270	Carbon 82K ohm ¼WJ	
R408	3069562270	Carbon 5.6K ohm ¼WJ	
R409	3069224270	Carbon 220K ohm ¼WJ	
R410	3069332270	Carbon 3.3K ohm ¼WJ	
R411	3069562270	Carbon 5.6K ohm ¼WJ	
R412	3069472270	Carbon 4.7K ohm ¼WJ	
R413~R414		Not Used	
R501	3069102270	Carbon 1K ohm ¼WJ	
R502~R505	3069331270	Carbon 330 ohm ¼WJ	
R506~R507	3069122270	Carbon 1.2K ohm ¼WJ	

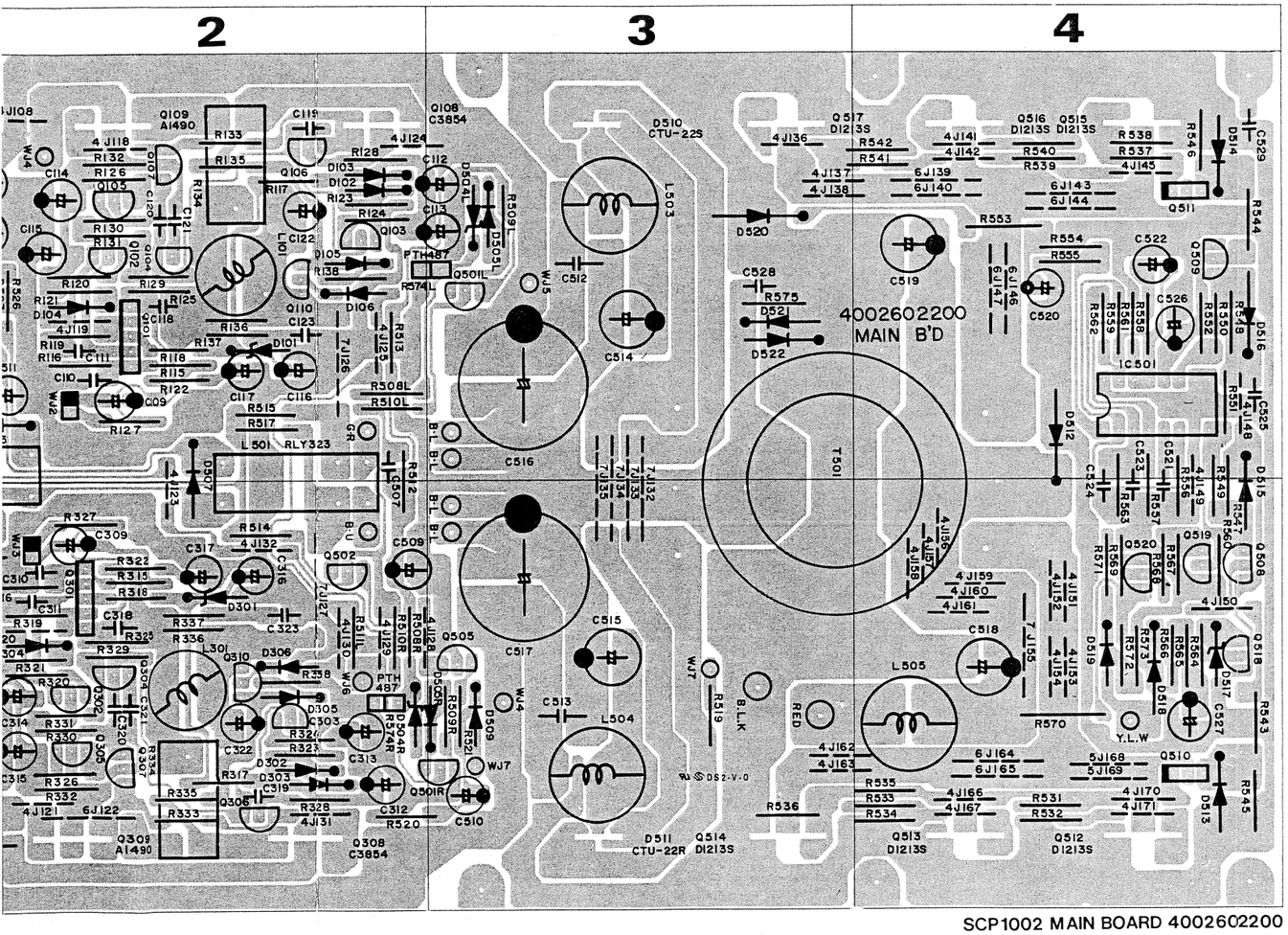
Ref No.	Part No.	Description	Position
•SEMI FIXED RESISTORS			
VR101	3248322319	SR19D22KB	
VR201	3248322319	SR19D 22KB	
VR301	3248322319	SR19D 22KB	
VR401	3248322319	SR19D 22KB	



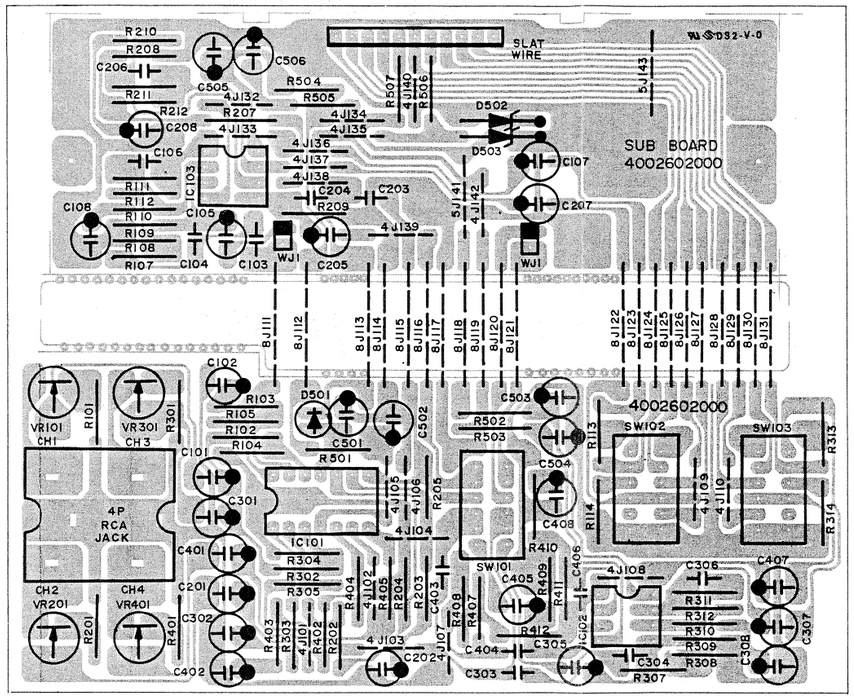
SCP802 MAIN BOARD 4002601900

Top View of P.C Boards





SCP1002 MAIN BOARD 4002602200

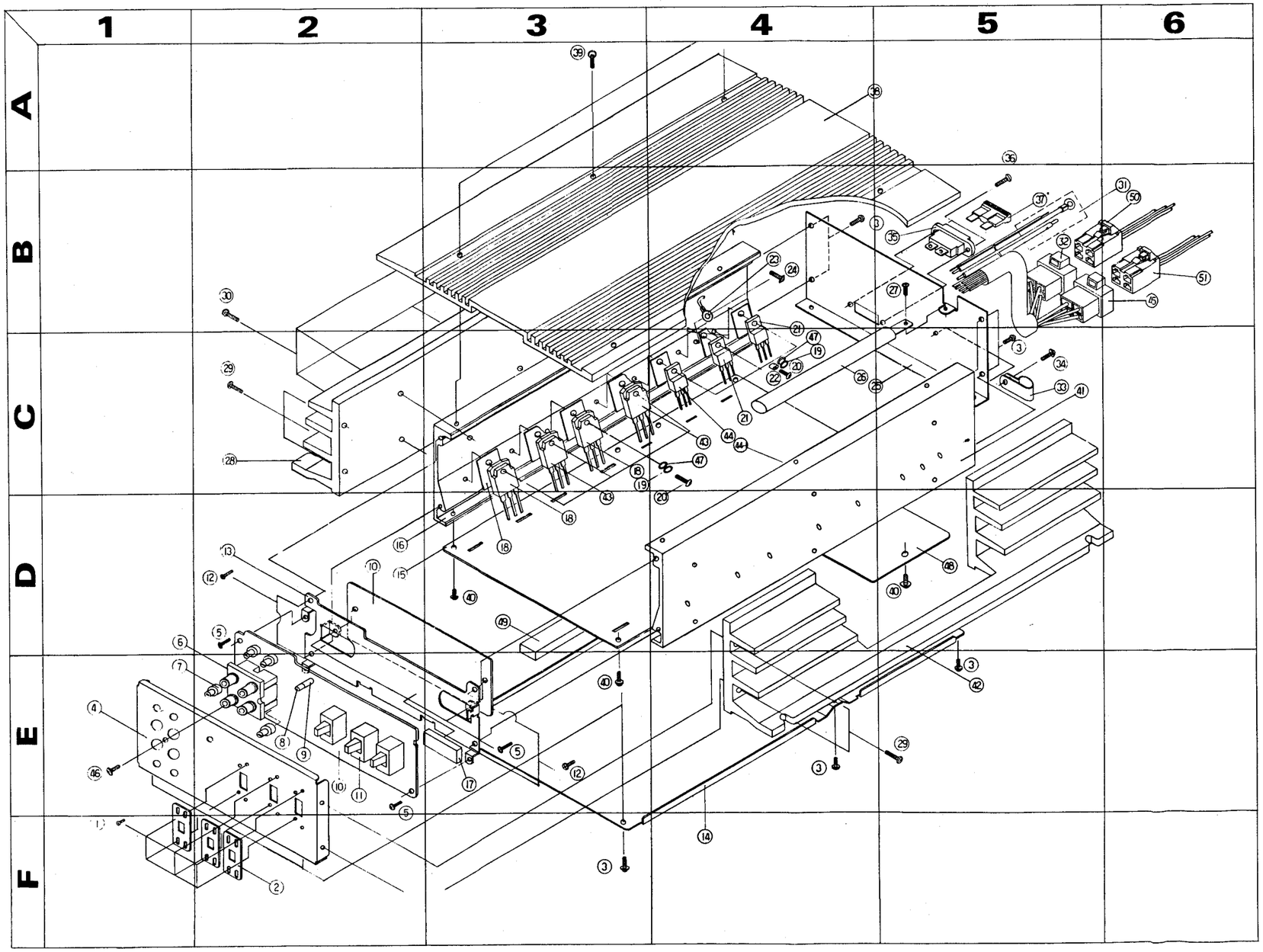


SUB BOARD 4002602000

Parts List & Exploded View of Cabinet & Chassis

SCP-802

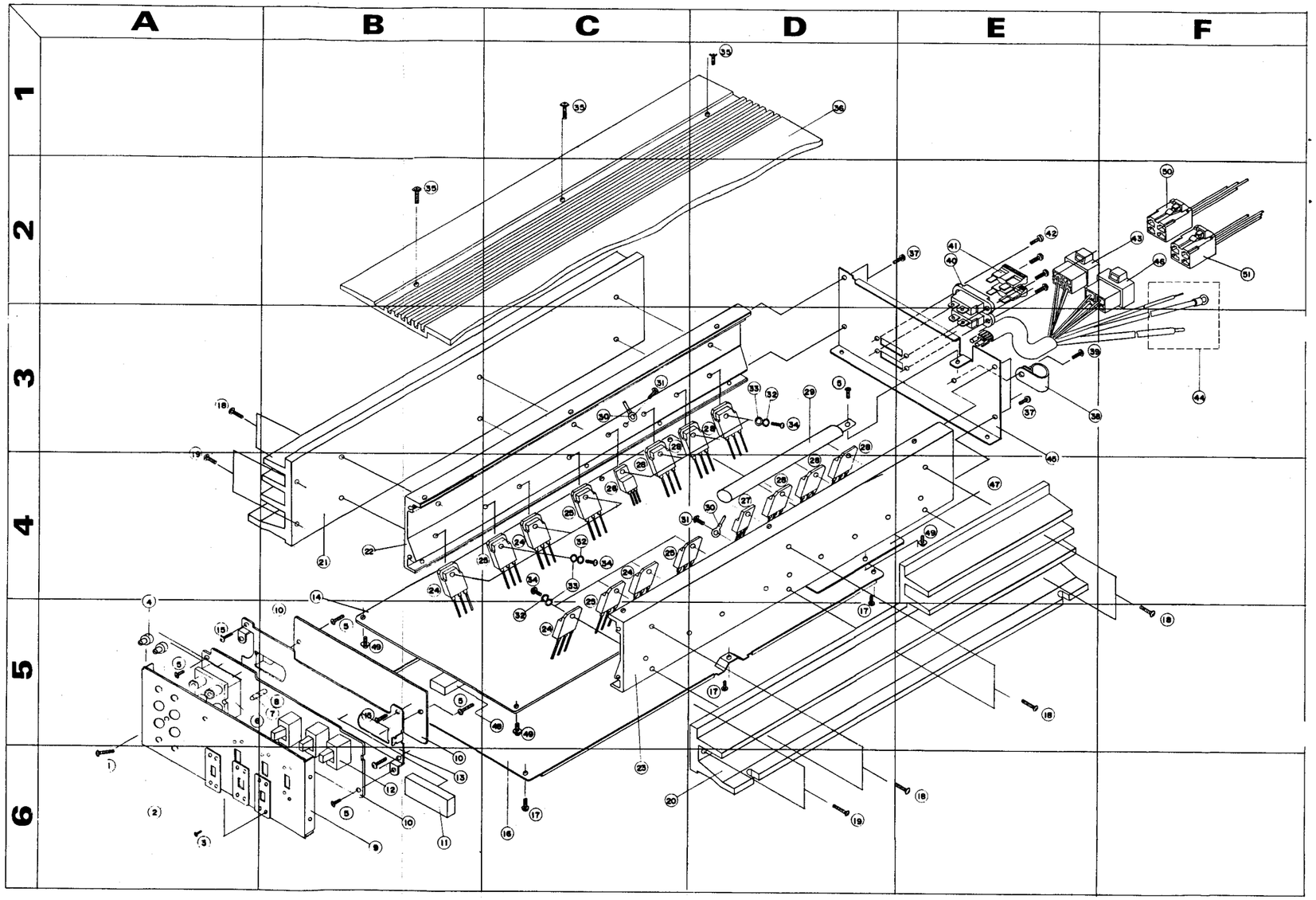
NO.	PARTS NO.	DESCRIPTION	Q'TY	POSITION
1	8019120033	SCREW PM 2x3B	6	F1
2	6755004310	STOPPER S/W	3	F2
3	8119230063	SCREW #2PTC 3x6B	10	C5,B4,E4
4	046123618611	CHASSIS FRONT	1	E1
5	8119430051	SCREW SAM 3x5Y	5	D2,E3
6	4438102010	JACK RCA	1	D1
7	3248322319	RESISTOR SEMI	1	E1
8	2308220109	LEDSLR 54URG3	1	E2
9	6705000510	SPACING LED	1	E2
10	4002602000	PCB FRONT	1	E2
11	4618002910	SW SLIDE(SSPO42)	3	E2
12	8109230061	SCREW #2BTC 3x6Y	4	D2,E3
13	6023800610	BKT FRONT PCB	1	D2
14	6122412010	COVER BOTTOM	1	F4
15	4002601900	PCB MAIN	1	D2
16	7503008710	HEAT SINK(IN-L)	1	D2
17	6715014510	RUBBER CUSHION	1	E3
18	2028116105	TR 2SA 1489	4	D3
19	8319130011	WASHER SPRING ϕ3Y	8	C3
20	8009130121	SCREW BM 3x12Y	8	D4
21	2028417112	TR 2SD1212(S)	6	B4,C4
22	8009130121	SCREW B173x12Y	6	C4
23	2438012100	POSISTOR PTH487A01	2	B4
24	8159330061	SCREW #3WPTC 3x6Y	2	B4
25	046103002011	CHASSIS BACK	1	C4
26	6165128110	SHIELD FENCE	1	C4
27	8119430063	SCREW SAM 3x5Y	1	B5
28	7503008510	HEAT SINK(OUT-L)	1	C2
29	8119430103	SCREW SAM 3x10B	4	C2,E5
30	8019130123	SCREW PM 3x12B	12	B2
31	4355031910	CONNECTOR POWER	1	B6
32	4355031810	PLUG SPEAKER(A)	1	B5
33	6525001740	CABLE CLAMP(7N)	1	C5
34	8159330083	SCREW #3WPTC 3x8B	1	C5
35	4458400520	HOLDER FUSE	1	B5
36	8119430063	SCREW SAM 3x6B	2	A5
37	5508724215	FUSE AUTO(32V 30A)	1	B5
38	047502001711	HEAT SINK(TOP)	1	A4
39	8069130103	SCREW WPM 3x10B	6	A3
40	8159230061	SCREW #2WPTC 3x6Y	6	D3,E3
41	7503008610	HEAT SINK(IN-R)	1	C5
42	7503008410	HEAT SINK(OUT-R)	1	E5
43	2028416108	TR 2SC 3853	4	D3,C4
44	2058116103	DIODE CTU 223	1	C4
44-1	2058116104	DIODE CTU 22R	1	C4
45	4355031820	PLUG SPEAKER(B)	1	B6
46	8119130083	SCREW 1PT 3x8B	1	E1
47	8309030011	WASHER PLAIN ϕ3Y	14	C4
48	4805000910	PLATE FIBER	1	D5
49	6715015110	RUBBER SHIELD	1	D3
50	4355031710	RECEP ASS'Y SPEAKER	1	B50
51	4355031710	RECEP ASS'Y SPEAKER	1	B51



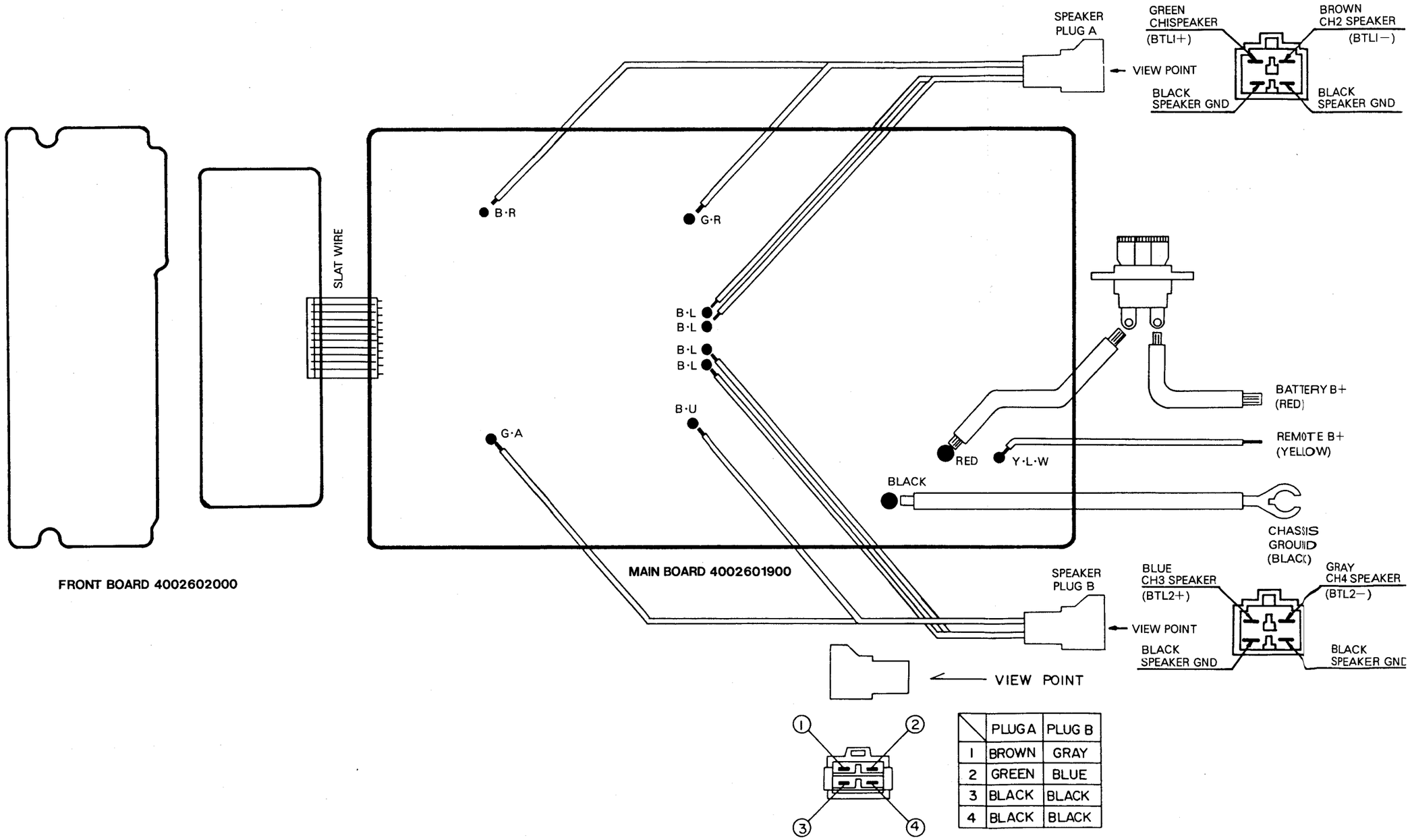
Parts List & Exploded View of Cabinet & Chassis

SCP-1002

NO	PARTS NO	DESCRIPTION	Q'TY	POSITION
1	8119130083	SCREW #1PT 3x8B	1	A6
2	6735004310	STOPPER S/W	3	A6
3	8019120033	SCREW PM 2x3B	6	A6
4	3248322319	RESESTOR SEMI	4	A5
5	8119430051	SCREW SAM 3x5Y	5	A5,B6,B5
6	4438102010	JACK RCA	1	A5
7	2308220109	LEDVSLR 54URG3	1	B5
8	6705000510	SPACING LED	1	B5
9	046123618611	CHASSIS FRONT	1	B6
10	4002602000	PCB FRONT	1	B5,B6
11	6715014510	RUBBER CUSHION	1	B6
12	4618002910	SW SLIDE(SSPO42)	3	B6
13	6023800610	BKT FRONT PCB	1	C6
14	4002602200	P.C BORD MAIN	1	C6
15	8109230061	SCREW #2BTC 3x6Y	4	A5,B5
16	6122412710	COVER BOTTOM	1	C6
17	8119230063	SCREW 2BTC 3x6B	4	C6,D5
18	8019130123	SCREW PM 3x12B	12	A3,E5,E6,F5
19	8119430103	SCREW SAM 3x10B	4	A4,D6
20	7502002010	HEAT SINK(OUT-R)	1	C6
21	7502001910	HEAT SINK(OUT-L)	1	B4
22	7503009510	HEAT SINK(IN-L)	1	B4
23	7503009410	HEAT SINK(IN-R)	1	C6
24	2028116104	TRV2SA1490	4	B4,C4,C5
25	2028416107	TRV2SC3854	4	C4
26	2058116103	DIODE CTU-22S	1	C4
27	2058116104	DIODE CTU-22R	1	C4
28	2028417113	TR 2SD1213(S)	6	C3,D3,C4,D4
29	6165128110	SHIELD FENCE	1	D3
30	2438012100	POSITOR PTH 487 A01	2	C3,D4
31	8069130081	SCREW WPM3x8Y	2	C3,D4
32	8319130011	WASHER SPRING ϕ3Y	16	D3,C4
33	8309030011	WASHER PLAIN ϕ3Y	16	D3,C4
34	8009130121	SCREW BM3x12Y	18	D3,C4
35	8069130103	WPM 3x10B	6	B2,C1,D1
36	047502002111	HEAT SINK(TOP)	1	D1
37	8119230063	SCREW 2PTC 3x6B	4	E2,E3
38	6525001740	CABLE CLAM	1	E3
39	8159330083	SCREW #3WPTC 3x8B	1	E3
40	4458400520	HOLDER FUSE	2	E2
41	5508724215	FUSE AUTO(32V,30A)	2	E2
42	8119430063	SCREW SAM 3x6B	4	E2
43	4355031810	PLUG SPEAKER(A)	1	F2
44	4355031910	CONNECTOR POWER	1	F3
45	046103002021	CHASSIS BACK	1	E3
46	4335031820	FLUG SPEAKER(B)	1	F2
47	4805000920	PLATE FIBER	1	E4
48	4825000110	RUBBER SHIELD	1	C5
49	8159230061	SCREW 2WPTC 3x6Y	6	C5,E4
50	4355031710	RECEP ASS'Y SPEAKER	1	F2
51	4355031710	RECEP ASS'Y SPEAKER	1	F2

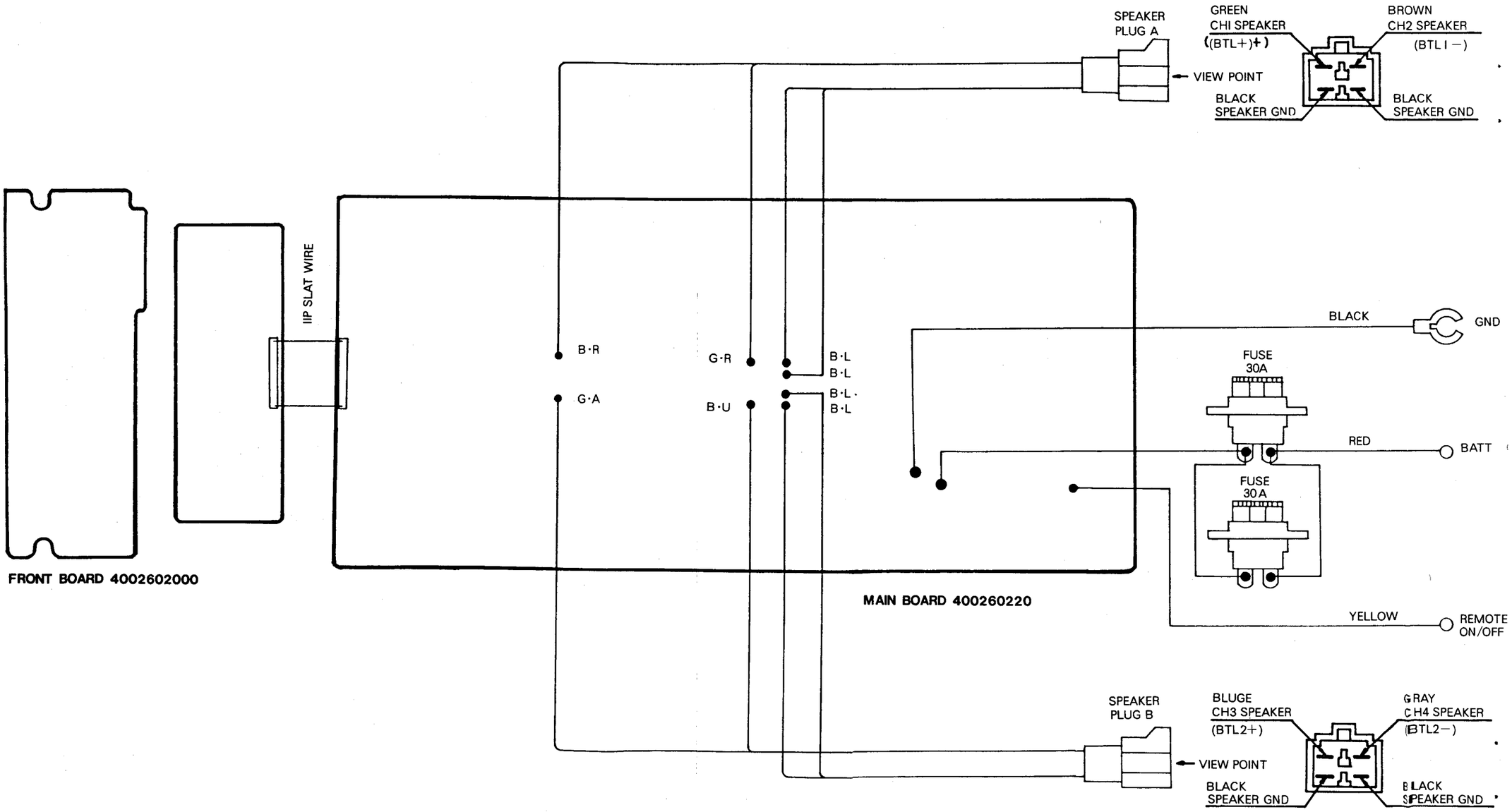


Point to Point Wiring Diagram (SCP802)

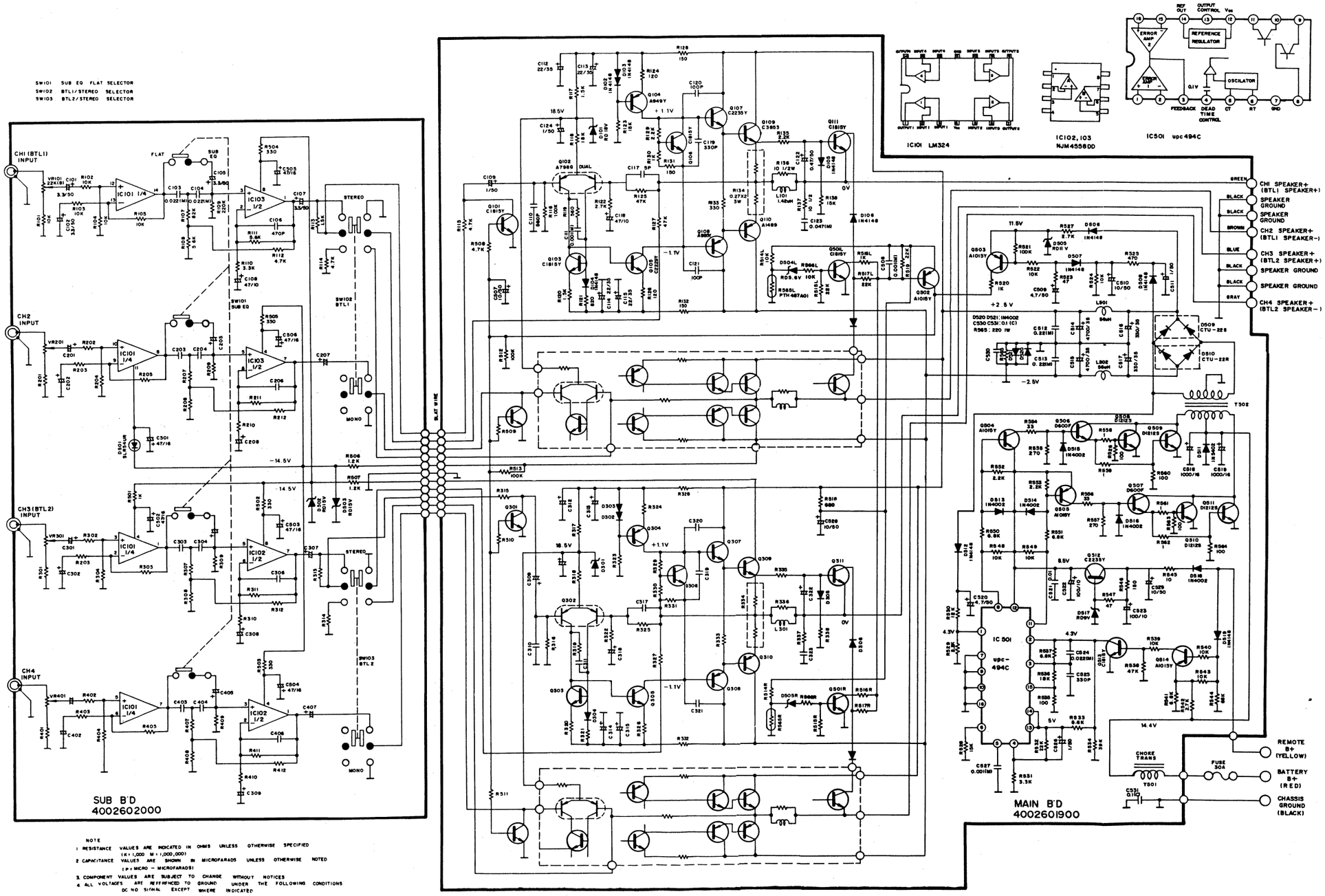


	PLUG A	PLUG B
1	BROWN	GRAY
2	GREEN	BLUE
3	BLACK	BLACK
4	BLACK	BLACK

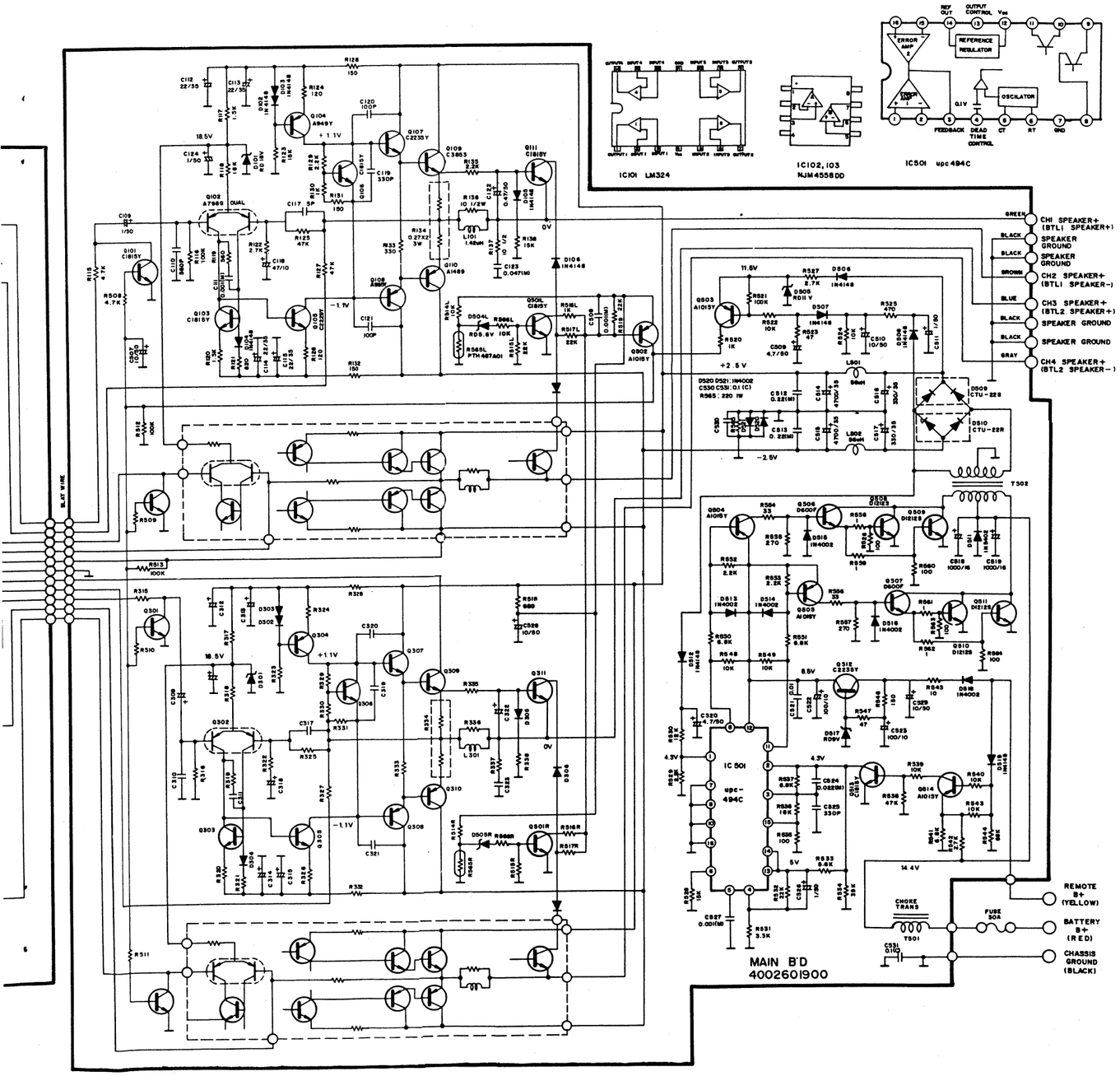
Point to Point Wiring Diagram (SCP1002)



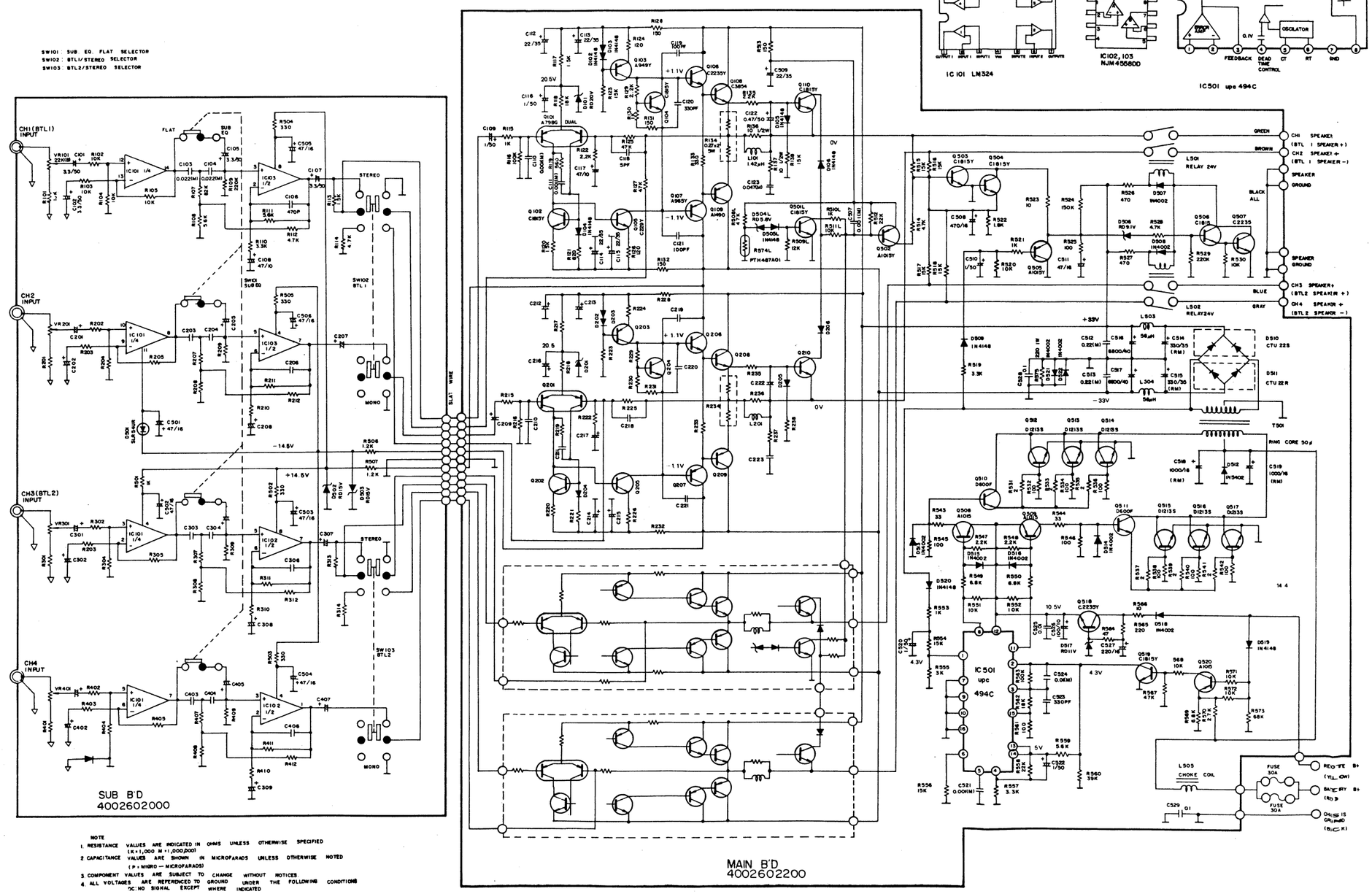
Schematic Diagram (SCP-802)



NOTE
1. RESISTANCE VALUES ARE INDICATED IN OHMS UNLESS OTHERWISE SPECIFIED
1K = 1,000 M = 1,000,000
2. CAPACITANCE VALUES ARE SHOWN IN MICROFARADS UNLESS OTHERWISE NOTED
1 P = MICRO − MICROFARADS!
3. COMPONENT VALUES ARE SUBJECT TO CHANGE WITHOUT NOTICES
4. ALL VOLTAGES ARE REFERENCED TO GROUND UNDER THE FOLLOWING CONDITIONS
DC NO SIGNAL EXCEPT WHERE INDICATED

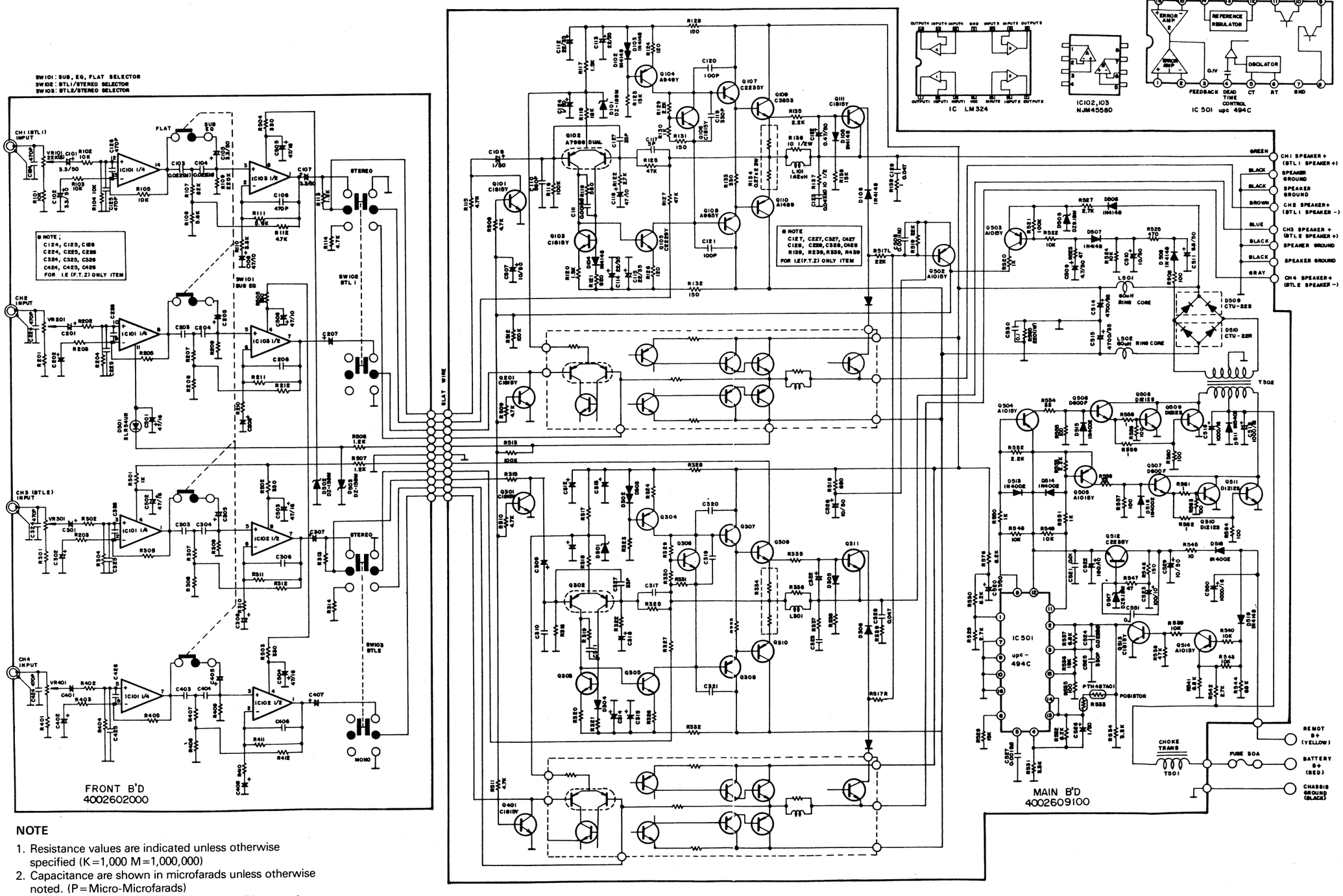

IC101 LM324
IC102, 103
NJM4558DD
IC501 upc494C
ERROR AMP
REFERENCE REGULATOR
OSCILLATOR
FEEDBACK
DEAD TIME CONTROL
CT
RT
GND
REF OUT
OUTPUT CONTROL
Vcc
GREEN
CH1 SPEAKER+ (BTL1 SPEAKER+)
BLACK
SPEAKER GROUND
BLACK
SPEAKER GROUND
BROWN
CH2 SPEAKER+ (BTL1 SPEAKER-)
BLUE
CH3 SPEAKER+ (BTL2 SPEAKER+)
BLACK
SPEAKER GROUND
BLACK
SPEAKER GROUND
GRAY
CH4 SPEAKER+ (BTL2 SPEAKER-)
REMOTE B+ (YELLOW)
BATTERY B+ (RED)
CHASSIS GROUND (BLACK)
FUSE 30A
CHOKE TRANS
T501
MAIN B'D
4002601900
IC 501
upc-494C
BLK WIRE
18.5V
11.6V
+2.5V
-2.5V
14.4V
8.5V
4.3V
5V
0V
+1.1V
-1.1V

Schematic Diagram (SCP1002)



NOTE
1. RESISTANCE VALUES ARE INDICATED IN OHMS UNLESS OTHERWISE SPECIFIED (K=1,000 M=1,000,000)
2. CAPACITANCE VALUES ARE SHOWN IN MICROFARADS UNLESS OTHERWISE NOTED (P=MICRO-MICROFARADS)
3. COMPONENT VALUES ARE SUBJECT TO CHANGE WITHOUT NOTICES
4. ALL VOLTAGES ARE REFERENCED TO GROUND UNDER THE FOLLOWING CONDITIONS DC: NO SIGNAL EXCEPT WHERE INDICATED

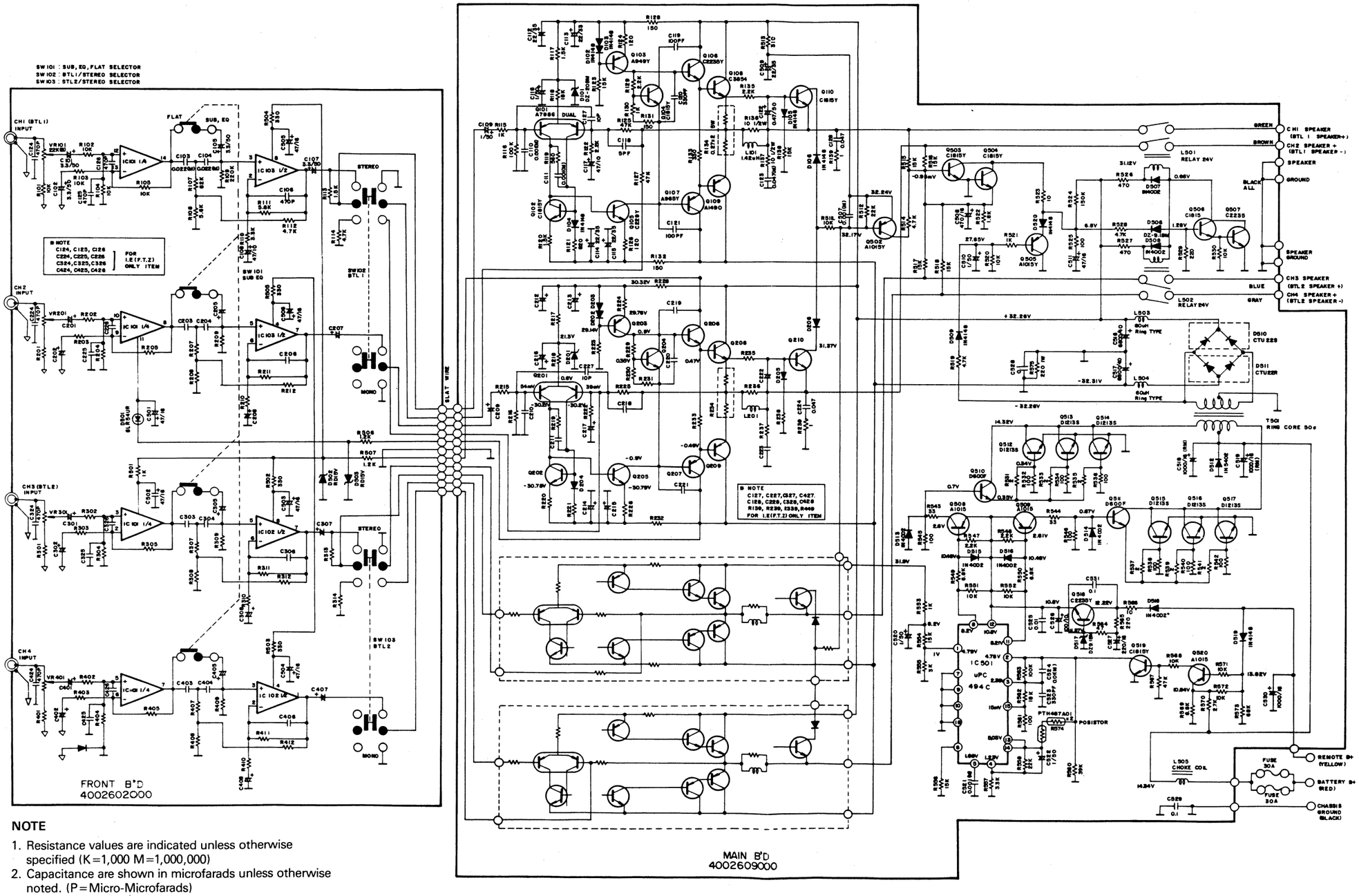
Schematic Diagram (SCP-802BP/GA-1071BP)

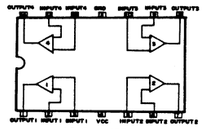


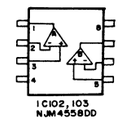
NOTE

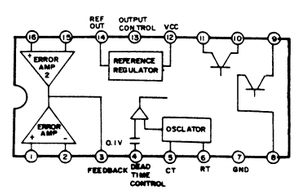
1. Resistance values are indicated unless otherwise specified (K=1,000 M=1,000,000)
2. Capacitance are shown in microfarads unless otherwise noted. (P=Micro-Microfarads)
3. Component value are subject to charge without notices.
4. All voltages are refrenced to ground under the following conditions DC: NO Signal except where indicated.

Schematic Diagram (SCP-1002BP/GA-1072BP)









NOTE

1. Resistance values are indicated unless otherwise specified (K=1,000 M=1,000,000)
2. Capacitance are shown in microfarads unless otherwise noted. (P=Micro-Microfarads)
3. Component value are subject to charge without notices.
4. All voltages are refrenced to ground under the following conditions DC: NO Signal except where indicated.